

EXHIBIT I

Expert Report of Andrew Zimbalist in *Cung Le, et al. v. Zuffa, LLC*

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I. INTRODUCTION AND ASSIGNMENT

1. Zuffa LLC, doing business as Ultimate Fighting Championship (“Defendant,” “Zuffa,” or “UFC”), is a promoter of live professional mixed-martial-arts

(“MMA”) bouts. Plaintiffs are Professional MMA Fighters¹ who have fought for the UFC. Plaintiffs allege that Zuffa used anticompetitive conduct (the “challenged conduct”) to establish, maintain, and enhance monopoly and monopsony power. The challenged conduct includes, among other things: (a) entering multi-fight exclusive contracts with a large share of the top Professional MMA Fighters, thereby keeping this allegedly necessary input from other MMA promotions; (b) acquiring multiple actual or potential rival MMA promotion companies; and (c) impairing other MMA promoters by using its alleged dominance to threaten sponsors, promoters, and fighters who worked with or considered working with the UFC’s potential rivals.²

2. Plaintiffs have brought this case on behalf of two proposed classes of similarly situated Professional MMA Fighters: the “Bout Class” and the “Identity Class.” The “Bout Class” includes: “All persons who competed in one or more live professional UFC-promoted MMA bouts taking place or broadcast in the United States during the Class Period. The Bout Class excludes all persons who are not residents or citizens of the United States unless the UFC paid such persons for competing in a bout fought in the United States.”³

3. The “Identity Class” includes: “Each and every UFC Fighter whose Identity was expropriated or exploited by the UFC, including in UFC Licensed Merchandise and/or

¹ I use the term “Professional MMA Fighter” as defined in the Complaint to mean “a person who is compensated as a combatant in a Mixed Martial Arts bout.” *Cung Le, et al. v. Zuffa, LLC, d/b/a Ultimate Fighting Championship and UFC*, No. 15-cv-1045, Consolidated Amended Antitrust Class Action Complaint (Dec. 18, 2015) (hereinafter “CAC”). I sometimes use the term “fighter” synonymously.

² CAC ¶¶ 109-113, 116-118, 125-126, 128-134.

³ CAC ¶ 39.

UFC Promotional Materials, during the Class Period in the United States.”⁴ Plaintiffs define the “Identity of a UFC Fighter” as “the name, sobriquet, voice, persona, signature, likeness and/or biographical information of a UFC Fighter.” Plaintiffs have defined the “Class Period” as beginning December 16, 2010, and continuing until the challenged conduct ceases.⁵ The challenged conduct, according to the CAC, began at least as early as December 2006.⁶ The period of my damages analysis is from December 16, 2010 through December 31, 2016.

4. Counsel for Plaintiffs have asked me to determine:
 - a. whether the challenged conduct is anticompetitive in character and thus would have anticompetitive effects if engaged in by an entity with monopoly or monopsony power;
 - b. whether pro-competitive justifications that have been offered in defense of conduct similar to the challenged conduct that was historically engaged in by owners in other professional sports (i) have any validity, (ii) have any theoretical applicability to Mixed Martial Arts (“MMA”), and (iii) assuming arguendo that some would apply, whether any such alleged procompetitive benefits could be achieved with less restrictive alternatives; and
 - c. whether a class-wide method is capable of computing the aggregate amount members of the proposed “Bout Class” were undercompensated due to the challenged conduct, and if so, to calculate the total amount of undercompensation that members of the bout class suffered.
5. I first conclude that the challenged conduct is anticompetitive in character.

To reach this conclusion, I first chart the history of athlete contracts and level of competition in a variety of professional sports including baseball, football, hockey, basketball, and

⁴ *Id.* ¶ 47.

⁵ *Id.*

⁶ *Id.* ¶ 129.

boxing. Many of these sports have historically included clauses similar to those currently employed in UFC fighter contracts. Studying the changes in clauses in other sports similar to those Plaintiffs are challenging in this case illustrates the anticompetitive nature of the challenged conduct. In particular, the dramatic increases in athlete compensation that accompanied the expansion of free agency⁷ in other sports, and the presence of competitive options in those sports, demonstrate the wage-suppressing effect of limitations on free agency that the challenged conduct imposed.

6. Next, I conclude that many of the pro-competitive justifications that have, over time, been offered in defense of similar conduct historically engaged in by owners in other professional sports are not valid and were not reasonably necessary for the success of such leagues or sports. These other sports and leagues have survived, and indeed have gone on to thrive, *after* the elimination or restriction of the use of contract terms similar to those challenged here. In addition, many of those procompetitive justifications, such as those relating to so-called competitive balance, have no direct relevance for an individual sport such as MMA. Finally, I conclude that even assuming some of these justifications could apply in MMA, the experience of these sports also shows that less restrictive contracting practices can accomplish similar aims. In fact, these other sports provide natural experiments that offer concrete empirical evidence of the beneficial competitive effects that result from lifting the restrictive conduct of the employer on both: (1) athlete compensation; and (2) the popularity and profitability of the sport as a whole.

⁷ Free agency is generally understood to refer to the ability of players who have played out their existing contract to offer their services on the labor market to other employers in the industry. *See* Deposition of Joe Silva, June 7, 2017, (hereinafter “Silva Dep.”) at 183:4-9.

7. I then provide a classwide method that computes the total aggregate amount that members of the bout class were undercompensated during the Class Period due to the challenged conduct. In particular, my method measures damages to the Plaintiff bout class in this case by comparing (a) the fighters' share of Zuffa revenue to (b) athletes' share of revenue in a variety of other professional sports. I use these other professional sports as a conservative yardstick to evaluate the likely level of fighter compensation in a but-for world, absent the challenged conduct, where Zuffa faces enhanced competitive conditions.

8. My opinion on damages assumes that Zuffa had market power in a relevant input market, and that the challenged conduct substantially foreclosed competition in that market such that but for the challenged conduct, Zuffa would have faced additional competition on par with those markets used as yardsticks. Because I am not opining on market power or level of foreclosure, determining the metes and bounds of the relevant markets is not necessary for my opinion. Although it is not relevant to my opinion, for convenience and as a short-hand, I sometimes refer to a potential relevant input market for professional MMA fighter services as the market for "top fighters." By this, I refer to the pool of professional MMA fighters that another live professional MMA promoter could use to compete effectively with Zuffa, and it includes, at a minimum, all Zuffa fighters.

II. QUALIFICATIONS

9. I am the Robert A. Woods Professor of Economics and Chair of the Economics Department at Smith College in Northampton, Massachusetts. I received my B.A. in Economics from the University of Wisconsin-Madison in 1969 and my M.A. and Ph.D. in Economics from Harvard University in 1972 and 1974, respectively. I have served as a visiting professor at Doshisha University in Kyoto, Japan, the University of Geneva in

Geneva, Switzerland, and Hamburg University in Hamburg, Germany. I have studied and consulted extensively within the intercollegiate and professional sports industry for leagues, teams, players' associations, governments, citizen groups, and athletes for over twenty-five years. I have published twenty-six books and dozens of articles in the fields of sports economics, comparative economic systems and development economics. I am a founding member and serve on the editorial board of the *Journal of Sports Economics*. My detailed background and credentials are set forth in my curriculum vitae and biographical sketch, attached hereto as Exhibit A. For my work in this case, I am being compensated at my customary rate of \$850 an hour.

III. ZUFFA'S FIGHTER CONTRACTS

10. According to the CAC, Zuffa's contracts with fighters contain a number of exclusionary clauses that restrict fighters' ability to become free agents and offer their services on an open market to other MMA promoters. These provisions include, *inter alia*:

- (a) An "Exclusivity Clause," which prevents fighters from leaving to fight for a competing MMA promoter during the term of the agreement;⁸
- (b) A "Champion's Clause," which allows the UFC to extend a UFC fighter's contract for "one year from the Termination Date or until the date on which the athlete has participated in three bouts promoted by Zuffa"⁹ as long as the athlete is a "champion" in his or her weight class at the end of the contract term;
- (c) A "Right-to-Match" clause, which grants the UFC the option to match the financial terms and conditions of any offer made to a UFC fighter for an MMA

⁸ 30(b)(6) Deposition of Kirk Hendrick, Nov. 29, 2016, Exh. 2, (hereinafter "Hendrick Exh. 2") at 3, 17.

⁹ *Id.* at 4, 18-20.

bout for up to a year after the fighter's contract has expired, and frequently first imposes an "exclusive negotiation period" of 30 to 90 days.¹⁰

11. Zuffa's contracts specify a term in both bouts and months, during which the "exclusivity clause" operates to require the fighter to fight exclusively for Zuffa. In 2010, the typical Zuffa fighter contract had a formal "term" of 18-36 months, or 4-8 fights.

12. However, as I understand the contractual arrangements, the formal term substantially understates the true length of the fighter agreements. First, it fails to account for the time between the signing of the contract and the first bout, which is not included in the "term."¹¹ Second, it fails to account for any extensions induced by the myriad tolling provisions in Zuffa's fighter contracts. Specifically, Zuffa includes provisions that toll the agreement for any period that a fighter is injured, retired, or otherwise unable or unwilling to appear in a bout.¹² At some point before November 2012, Zuffa began automatically issuing injury extensions to fighters known to be injured after a bout, even if that fighter had not yet been offered another fight.¹³ In addition, the injury extensions were generally calculated as the amount of time between bouts, not the amount of time the fighter was actually injured.¹⁴ Third, the formal "term" excludes the exclusive negotiation period and the right-to-match period, both of which extend the period of time before a fighter can become a free agent.

¹⁰ *Id.* at 8, 65-73; CAC ¶ 113. Zuffa removed this clause halfway through 2011, but then reinstated it in early 2014. *See* Hendrick Exh. 2 at 65.

¹¹ Silva Dep. at 392:16-393:7 (Term of agreement does not start until first fight, but contract is exclusive from the first day it is signed); 30(b)(6) Deposition of Kirk Hendrick, Nov. 29, 2016, (hereinafter "Hendrick 30(b)(6) Dep.") at 191:2-192:11.

¹² Hendrick Exh. 2 at 7; Silva Dep. at 275:9-24, 276:8-18.

¹³ Silva Dep. at 412:7-413:22.

¹⁴ *Id.* at 410:15-21 (Silva would "always just do it [issue the extension] for the time-period in between fights."); 421:6-17 (same).

After the formal term is over, in the typical fighter contract, Zuffa has a 30- to 90-day exclusive negotiating period during which the fighter cannot negotiate or solicit offers from other MMA promoters.¹⁵ When the exclusive negotiation period ends, the fighter is able to negotiate with other promoters subject to Zuffa's right to match any offers received over the next year ("right-to-match clause").¹⁶ If the fighter receives an offer during the one-year matching period, Zuffa then has 15 days from the date of the offer to match the financial terms of the offer. If Zuffa matches the outside offer, the fighter is obligated to accept Zuffa's contract. As a result, for a fighter whom the UFC wants to keep, to become a free agent and leave the UFC, that fighter must be prepared to lose up to 15 months of bout-related income (as fighters only get paid by the UFC when they fight).¹⁷ The right-to-match clause is often referred to interchangeably as a "right of first refusal." I understand that these terms were standard in Zuffa's fighter contracts.¹⁸

13. Similar to the historic reserve clause in professional team sports, the allegedly exclusionary clauses listed above, together with various tolling provisions and the practices Zuffa uses to incentivize athletes to sign new agreements, function to give Zuffa near complete contract control over fighters it wishes to prevent from becoming free agents,

¹⁵ *See id.* at 184:16-24.

¹⁶ *See id.* at 184:25-185:11.

¹⁷ *See id.* at 186:4-12 ("Q. Would you agree with me that if there was a UFC fighter who no longer wanted to fight with the UFC for some reason and the UFC was determined to match any offer, that that fighter, in order to get out from under the contract, would need to wait the 90 days of the exclusive negotiation period and then the 12 months of the right to match; correct? A. That's my understanding."). This 15-month timeline is conservative because it does not include the time-period between when the fighter signs his deal with another MMA promoter and the date that the promoter is first able to promote a bout featuring the fighter.

¹⁸ Silva Dep. at 277:9-15.

especially during the peaks of their careers.¹⁹ Michael Mersch, former Zuffa COO, explained how Zuffa's practice was to make its contracts effectively perpetual: "if a fighter is successful under a 4 fight deal, we typically negotiate a new agreement after the 3rd fight so he never will see the end of his contract and, assuming the fighter is successful, or at least competitive, that is the process that will continue thereafter."²⁰

14. Zuffa uses a series of carrots and sticks to incentivize the fighters it wishes to retain to sign new contracts, and thus never reach free agency.²¹ As a carrot, Zuffa would sometimes offer fighters additional money for the final fight of a contract (which would then become the first fight at a new compensation level of the next contract), if they signed new multi-bout agreements before their last fight.²² If the fighter refused to sign a new contract,

¹⁹ Indeed, the Confidential Information Memorandum prepared by Deutsche Bank on behalf of Zuffa in 2007 explains that "UFC athlete contracts are designed to retain talent within the Company [with] an exclusivity clause that prevents fighters from moving to different MMA organizations while under contract and with negotiation and matching rights after the agreement expires." DB-ZUFFA-00006712 at 6751. Deutsche Bank's Rule 30(b)(6) witness testified that Zuffa told Deutsche Bank that the UFC's exclusivity clause and negotiation and matching rights after the agreements expire were part of how the contracts were designed to retain talent within the company. Deposition of Drew Goldman, Apr. 28, 2017, (hereinafter "Goldman Dep.") at 71:18-72:3. In the October 2009 Confidential Information Memorandum, Deutsche Bank made identical statements, *see* DB-ZUFFA-00056900 at 33, based on the same information that Zuffa provided. *See* Goldman Dep. at 114:12-115:9. Zuffa's Rule 30(b)(6) witness testified and provided written testimony showing that these provisions did not change substantively between May 2007 and the present. Hendrick Dep. at 366:14-19, 376:15-18; Hendrick Exh. 2.

²⁰ ZFL-1404974; *see also* Silva Dep. Exh. 39 ("I always negotiate before the last fight just like I am doing now. So 3 fights [of the 4 fight deal] and we talk again."); Silva Dep. at 349:8-16 ("on a regular UFC four-fight deal, you renegotiate after the third fight [of a four fight deal]"); Silva Dep. at 381:18-382:7.

²¹ Silva Dep. at 384:9-23 (by negotiating a new contract before the end of their last contract, the fighter never becomes a free agent).

²² Silva Dep. at 382:16-383:3 ("Q... to get a fighter to re-up for another four-fight deal, you'd come to them after the third fight and offer to pay them a higher amount for what would have been their fourth fight? A. Correct. Q. And you make that the first fight of the next contract? A.

he would make less money for his final fight under his prior contract.²³

15. Zuffa had many sticks to induce fighters to sign a new contract. First, Zuffa could maintain indefinite control over the champions of any weight class when their respective contracts ended, and Zuffa typically had the right to control whether any non-champion fighter could leave the UFC for fifteen months after the contracts expired. Given the short career span of a typical Professional MMA Fighter, fifteen months represents a significant share of his or her career, and especially of his or her period of peak earnings.²⁴ According to one internal Zuffa analysis, the average UFC fighter's total career length measured from his or her first event with Zuffa until the last was approximately 2.5 years, including all athletes who fought for Zuffa any time between 1993 and 2014.²⁵ Thus, having to go without income and fight activity for fifteen months would represent a major disincentive for a fighter to risk the hardship of achieving free agency. During this time, a fighter risks losing public prominence and thus fan interest and marketability.²⁶

That's correct. Q. Okay. And in return, he would be obligated for three more fights with Zuffa than were obligated under the initial contract; is that right? A. Correct.”).

²³ Silva Dep. at 385:15-21 (“Q. If a fighter refused to accept the new deal that you were offering them between the third and the fourth fight, he would face a situation where he was fighting that last fight at less compensation than he would have gotten had he accepted the new deal...? A. Yes, he chose to fight at less money.”).

²⁴ ZFL-2642993 (January 2008 email from the agent for Andrei Arlovsky, a former UFC Heavyweight Champion, stating that “It is extremely damaging to Andrei’s career to be shelved for such a long period of time [more than one year]”); ZFL-2632955 (agent stating that “MMA fighters [] career primes are generally short”). Zuffa’s corporate designee concurred that sitting out for 12 months is not a reasonable option given fighters’ typically short career durations. Hendrick Tr. V.I (“If [a fighter is] ready, willing, and able to fight and they want to fight, 12 months I would say is a time period that is significant for a fighter’s career.”).

²⁵ ZFL-1376378-79.

²⁶ See Silva Dep. at 463:23-464:8.

Furthermore, this fifteen-month period only begins after the term of the contract expires.

16. However, these statistics understate the difficulty faced by a fighter trying to reach free agency. Zuffa had a number of additional tools, emanating from its dominance of the sport of MMA, to incentivize a fighter to re-sign a new contract rather than wait until his or her contract and any extensions and matching period expires. First, Zuffa could use its control over the matchmaking process to try to induce a fighter to sign a new contract before the prior one expires. For instance, it could threaten to schedule the fighter's last fight as an "undercard" or "prelim" fight, rather than a main event, or provide the fighter a poor stylistic or talent-level match-up that could be bad for that fighter's career.²⁷ If the fighter turned down the fight, Zuffa could then extend the contract by six months.²⁸ In theory, Zuffa could keep a fighter under contract indefinitely if the fighter refused to accept offered matchups.²⁹

17. Second, Zuffa's exclusive contracts with sponsors could prevent fighters from taking their existing sponsors to a new promoter. Starting some time before August 2009 and phased in during 2010, Zuffa implemented an "approved sponsor program" under which apparel sponsors had to sign a "Brand Affiliation Agreement" or a "League Affiliation Agreement" with Zuffa and pay Zuffa an "exposure fee" in order to sponsor

²⁷ For example, in April 2010, Joe Silva offered fighter Nick Diaz a new contract before his last fight. Silva explained, "If they [Diaz's team] turn it down I put him in a prelim against a really tough guy for his last fight." Silva Dep. Exh. 43 (ZFL-14121551). Silva testified that he would have matched Diaz against a tough guy regardless, but admitted that, all else equal, he would be more likely to give the main card to a fighter who has renewed his or her contract, as opposed to one who has not. Silva Dep. at 401:2-19, 405:12-19.

²⁸ Silva Dep. at 426:6-12.

²⁹ Silva Dep. at 433:13-434:16.

fighters during UFC events.³⁰ Over time the approved sponsor program expanded to include other types of sponsors such as on-line retailers.³¹ These agreements contained an “exclusivity” clause under which the sponsor agrees “not to sponsor any other competitive mixed martial arts (MMA) leagues, promoters, fighters, and/or affiliated brands... during the Term without the express written consent of Zuffa.”³² Once a sponsor signed such an exclusivity clause, if one of its sponsored fighters left the UFC, the fighter could not take that sponsor with them, and thus would risk losing the associated sponsorship revenue if the fighter went to another MMA promotion.³³

³⁰ See Deposition of Ike Lawrence Epstein, July 21, 2017 (hereinafter “Epstein 30(b)(6) Dep.”) at 282:16-283:9, 286:6-13, 340:8-12; Epstein 30(b)(6) Dep. Exh. 33 (LEPLAINTIFFS-0032350) (Aug. 4, 2009 email from Michael Mersch to Nate Quarry: “The only changes in the sponsorship world pertain to tshirt/apparel companies... in short, any tshirt company wishing to sponsor UFC fighters must join the UFC approved sponsor program.”).

³¹ Epstein 30(b)(6) Dep. Exh. 34 (ZFL-2198339) (“NOTICE – For all Zuffa events going forward, only approved on-line retailers will be allowed to sponsor fighters. To that end, you must have a separately executed sponsorship agreement with Zuffa to be able to sponsor fighters for any events. This new policy will kick in beginning with UFC 116 on July 3, 2010.”); Epstein 30(b)(6) Dep. at 292:2-19.

³² See, e.g., Epstein 30(b)(6) Dep. Exh. 32 (ZFL-1233191) at 192 (SAN Nutrition); Epstein 30(b)(6) Dep. Exh. 35 (ZFL-2532557) at 559 (Body Plus). As Michael Mersch explained to one potential sponsor in August, 2010, “We are transitioning everyone to exclusivity with Zuffa promoted fighters only.” Epstein 30(b)(6) Dep. Exh. 42 (ZFL-2149052); see also Epstein 30(b)(6) Dep. at 338:5-339:11. Zuffa made exceptions “very rarely” for companies that purchased more comprehensive sponsorship packages from Zuffa (such as Monster Energy) for a much higher licensing fee, or a number of one-off exceptions involving brands that Zuffa wanted to be associated with, such as Nike, or possibly brands that were affiliated with a star fighter such as Clinch Gear, which was affiliated with Dan Henderson and Punishment, which was affiliated with Tito Ortiz. See Epstein 30(b)(6) Dep. at 288:18-291:4, 336:2-18 (“It’s not just about money. It’s about the overall things that a particular sponsor is going to do to grow the sport, to do things for athletes, to expose... our events and our athletes to a broader ... universe of potential fans. Money is a factor ... But it’s something that we do very rarely.”).

³³ Deposition of Michael Mersch, July 14, 2017, (hereinafter “Mersch Dep.”) at 418:14-24 (“Q. Yeah. So the fighter’s sponsored by one of the UFC’s exclusive sponsors and they decide to leave the UFC and go fight for Bellator. As a result of this policy, they couldn’t take the sponsor

18. Third, Zuffa's contracts prevented fighters from using their clips of prior fights to promote their fights under a new promoter.³⁴ Joe Silva admitted that "fighters often used their prior videos as a way to promote themselves"³⁵ and that "it would be hurtful for [a] promotion not to be able to show past fights. We use -- those past fights help to promote future fights... Because that's how you promote a fight. You want to establish what this person has accomplished." As a result, for Zuffa, it was "very important to be able to promote its fighters and its fights by using video of fighters' prior fights."³⁶ By preventing fighters from using their UFC clips to promote fights with another promoter, Zuffa's contracts reduced the value they could offer to a different MMA promoter as a possible free agent.

19. Fourth, I also understand that Zuffa uses its control over the titling process to induce fighters to sign longer contracts. Thus, if a fighter wishes to contend for a title, I understand Zuffa would expect the fighter to sign a new, longer contract in order to provide them with the opportunity.³⁷ Relatedly, I understand that as a fighter becomes more highly ranked, and thus more valuable, Zuffa requires them to sign contracts locking them up for

with them if that sponsor wanted to stay with the UFC; is that right? A. Assuming that they had negotiated and agreed to the -- to an exclusivity provision in a contract with Zuffa, I would assume and imagine that people who entered the contracts adhered to the terms of the contract[s].").

³⁴ Silva admitted the ancillary rights provisions of Zuffa's fighter contracts gave "Zuffa the right to stop someone else, like that fighter, from using that video if [he] fought for another promotion[.]" Silva Dep. at 272:3-11. "The footage is the UFC's footage to show and --- and to use." *Id.* at 273:2-10.

³⁵ Silva Dep. at 25:2-4.

³⁶ Silva Dep. at 270:12-271:17.

³⁷ *See, e.g.*, ZFL-1404974 (According to Zuffa's Michael Mersch, "[b]efore someone fights for a UFC Championship we would likely have them locked in a longer terms deal").

longer periods of time.³⁸ Fighters know that if they contend for the title, and win, the Champion's Clause will bind them to Zuffa for at least a year or three bouts, and know further that if they wanted to leave the UFC against the UFC's wishes, they would be required to sit out up to 15 months to be able to fight elsewhere.³⁹ These strategies are similar to those used by boxing promoters to control championship-contender boxers throughout the twentieth century and condemned by the Ali Act.⁴⁰

20. These practices, along with Zuffa's exclusive contracts and other exclusionary conduct provide a feedback loop deterring the movement of fighters to other promoters. This is because free agency only benefits fighters if enough competition exists for their services. I understand that Zuffa has reinforced its control over fighters by acquiring several competing promotions over the years and by engaging in the challenged conduct to weaken other MMA promoters. If there exist no significant rivals to Zuffa who can offer fighters equivalent compensation, matchmaking, and/or public notoriety, then fighters have even less incentive to endure the hardship of becoming a free agent. In particular, the ability of a promotion to offer matchups against other top quality fighters is a

³⁸ See WME_ZUFFA_00001150 at *11 (Champions have on average 6.5 bouts remaining; Ranked 1-5 have 5.5 bouts remaining; Ranked 6-10 have 3.6 bouts remaining; Ranked 11-15 have 3.2 bouts remaining). In addition, Joe Silva discussed offering Thiago Alves, who was "on a 7 fight win streak and was the number one contender to fight the winner of GSP versus B.J. Penn" a "2 tier contract, with a higher path if he becomes champ. The good thing about those is it locks them in longer if they become champ." Silva Dep. at 455:6-456:11; Silva Exh. 53. Silva admitted the advantage to such a contract was that it "could ensure that if [the fighter] became champ [Zuffa would] have them locked up for a longer period of time." Silva Dep. at 456:21-25.

³⁹ Silva Dep. at 274:18-22 ("If you are the champion and you fought your last fight under contract, you have an exclusive negotiation period, and if you do not come to a deal, then there is a period of, I believe it's a year, before you could just leave.").

⁴⁰ *Infra*, section IV. E.

key requirement for a promotion to attract promising talent.⁴¹ Thus, Zuffa used its control over top-ranked and championship-contender professional fighters to limit the success of potential MMA promoter rivals.

21. For example, in 2014, UFC fighter Gilbert Melendez received an offer from MMA promotion Bellator. Zuffa matched the offer and prevented Melendez from leaving the UFC. In a text exchange relating to UFC's blocking of Melendez, between UFC President Dana White and Zuffa CEO Lorenzo Fertitta, Fertitta revealed that a key reason for this move was to harm Bellator. As Fertitta made clear: "We gotta keep taking these fuckers oxygen till they tap out. We have sacrificed too much to let anyone get traction now."⁴² At his deposition, Fertitta clarified that the "fuckers" to which he referred was Bellator and the "oxygen" were the fighters Gilbert Melendez as well as Eddie Alvarez, a Bellator fighter Zuffa was attempting to poach.⁴³ Similarly, Zuffa's top matchmaker, Joe Silva indicated that he kept fighters under contract whom he would prefer to cut simply to prevent rival promoters such as Bellator from promoting them, because releasing them would "improve Bellator's ability to put on a successful event" and Silva testified that "[i]t's

⁴¹ UFC's matchmaker, Joe Silva, understood well the importance of being able to fight top quality fighters in order to advance an MMA career. *See, e.g.*, Silva Dep. at 128:23-129:11 ("So if the majority of your opponents have losing records, they're probably not very good, so it doesn't tell me much about your ability... I would like your guy to have more experience and have experience against better people."); *id.* at 129:10-21 ("Beating guys with crappy records won't convince anyone [a fighter is] ready for the big leagues."); *id.* at 66:13-17 ("It never mattered, it didn't matter if it was Pride – if you're saying that Pride was one of the biggest in the world, I didn't care that he fought in Pride, I cared who [sic] he fought in Pride.").

⁴² ZFL-2699678, Rows 1552-55.

⁴³ Deposition of Lorenzo Fertitta, March 23, 2017, (hereinafter "Fertitta Dep.") at 291-92.

not my job to help Bellator.”⁴⁴ To the extent that Zuffa limited other MMA promoters’ access to the best fighters, this reduces the incentive for a UFC fighter to seek to achieve free agency.

22. I understand that Zuffa used various strategies to induce fighters to re-sign their contracts rather than reach free agency. I simply summarize the strategies here to demonstrate that, in the context of the short and uncertain length of the career of a Professional MMA fighter, this conduct allowed Zuffa to exert control over a fighter’s career in a similar way to that achieved by the historic reserve clause in professional baseball.⁴⁵ Indeed, in responding to due diligence questions by potential Zuffa investors, the Raine Group, which had been retained by Zuffa to assist in marketing the company to potential buyers, explained in June 2016 that “no athlete has left the UFC that the Company wanted to retain.”⁴⁶ Similarly, Joe Silva agreed that, as of 2008, B.J. Penn was the only

⁴⁴ Silva wrote that he “would love to cut [fighter Rogerio Nogueira] but he would just end up fighting Rampage in Bellator.” Silva Dep. Exh. 28. He explained he wrote that because “he won’t fight the ... guys that we need him to fight” and “[i]t would just be handing [Bellator] something easy ... [a] [c]redible name.” Silva Dep. at 304:24-306:12. Zuffa decided not to cut Nogueira even though Silva understood Zuffa had grounds to cut him under his contract for refusing to accept a fight. *Id.* at 307:4-7. Silva admitted that if Nogueira fought former UFC champion Rampage in Bellator, that would “improve Bellator’s ability to put on a successful event” and Silva testified that “[i]t’s not my job to help Bellator.” Rather, Silva admitted that “one of the ways you can help the UFC is to keep a guy under contract, because if you let him go, he would help Bellator.” Silva Dep. at 307:19-308:2.

⁴⁵ The reserve clause originated in professional baseball in 1879 and was adopted by the other major team sports after they came into existence. The reserve clause is discussed at greater length below.

⁴⁶ CG-UFC-00000005 (Item 204) (In June 2016, Raine Group was responding to potential investor due diligence questions, one of which asked for any Zuffa analyses of “athlete retention rate.” Raine Group’s prepared “formal response” was that “Management does not have this analysis as they [sic] do not view it as relevant. Reminder that no athlete has left the UFC that the Company wanted to retain.”).

“marquee fighter” who had ever defected from the UFC to a competing MMA organization,⁴⁷ and ultimately, Penn returned to the UFC after settling a lawsuit he filed against Zuffa and paying Zuffa damages.⁴⁸

23. While Zuffa’s contracts lock fighters into fighting for Zuffa and prevent fighters from offering their services to other promoters, they do not force Zuffa to make any similar long-term commitment to the fighters.⁴⁹ On the contrary, under the terms of the “cut-clause,” “the UFC reserves the right to terminate a fighter’s contract after one or two consecutive losses.”⁵⁰ Because of this, Zuffa can also threaten to cut fighters in the middle of their contracts, and then renegotiate for lower compensation.⁵¹ Since fighters do not have any commensurate option to terminate their contracts, Zuffa’s contracts are asymmetrical – they prevent fighters from becoming free agents during the most valuable part of their career but provide no guaranteed compensation to the fighters in exchange.⁵² In addition, Zuffa treats its fighters as independent contractors who cover their own costs for most medical insurance, trainers, food while they are training, and travel while they are training.⁵³

24. Zuffa will likely argue that its restrictive contracts are necessary for the

⁴⁷ Silva Dep. at 59:14-24.

⁴⁸ Silva Dep. at 7:2-9:8; Hendrick 30(b)(6) Dep. at 35:11-36:16.

⁴⁹ DB-ZUFFA-00030406 (“Unlike many professional athlete organizations, the UFC’s contracts with its fighters do not guarantee significant payments to the fighters.”).

⁵⁰ DB-ZUFFA-00020303 at 04.

⁵¹ See, e.g., ZFL-2496264 (Fighter Hector Lombard was on “his 4th fight of an 8-fight Agreement.” Under his original contract he was entitled to “205K to show and \$75[K] to win” but Joe Silva explains, “He is no longer under that deal. In return for not being cut he is fighting a 1 fight deal for 100K.”).

⁵² Silva Dep. at 228:19-21 (Zuffa fighters only get paid when they fight).

⁵³ Silva Dep. at 186:18-187:21.

success of its business, and have purportedly improved both the popularity and the reach of MMA. Similar defenses of restrictive contracting in professional team sports were raised throughout the history of those sports as well. However, a review of that history indicates that similar tactics to those making up the challenged conduct here were progressively eliminated, limited, or otherwise regulated. The success of those sports, despite repeated interventions to enhance competition for talent, indicates that such restrictions are not reasonably necessary in order to promote success and popularity of a sport. On the contrary, the same history indicates that those goals can be accomplished without similar restrictions on competition among teams and leagues for talent.

IV. HISTORY OF RESTRICTIVE CONTRACTS IN OTHER SPORTS

A. The Use of Reserve Clauses and Related Restrictions in Team Sports/Leagues

25. There are many parallels between the restraints on competition in the UFC's labor market through the challenged conduct and the evolution of free agency in professional baseball, football, hockey, and basketball. Indeed, the parallels also extend to the entertainment industry outside of professional sports.⁵⁴ In professional team sports,

⁵⁴ For many years, Hollywood operated under the "studio system" under which studios employed actors under long-term exclusive contracts. The system was defended on the ground that it created an economic incentive for the studios to make the actor as famous as possible, since the studio would be guaranteed to reap the benefit of the actor's future fame, rather than losing the actor to a competing studio after the actor's fame, and therefore bargaining power, had increased. Rick Smith, "Here's Why Hollywood Should Kiss the Handshake Deal Goodbye," Note. 23 Loy. L.A. Ent. L. Rev. 503, 506-07 (2003). For actors under contract, the studios often maintained the actor's salary at the same level, even as their fame increased, thus pocketing the increased revenue driven by the actor's popularity. James Surowiecki, "Hollywood's Star System, At a Cubicle Near You," The New Yorker, May 28, 2001, available at <http://www.newyorker.com/magazine/2001/05/28/hollywoods-star-system-at-a-cubicle-near-you>. Under the studio system, a studio's contracts with actors contained a number of extension provisions with similar effects to the Retirement Clause and Champion's Clause in the standard

there are two potential sources of competition for athlete talent, intra-league and inter-league competition. Intra-league competition occurs among teams in the same league, to the extent it is not impaired by contractual restrictions. Inter-league competition occurs between competing leagues, to the extent competing leagues exist. Like inter-league competition, intra-league competition can operate as a source of competition in much the same way as competition could, in theory, arise between rival MMA promoters. Because of the potential existence of both types of competition, even when one does not exist, the other can lead to substantial competition for athletes' services.

26. Until the last decades of the twentieth century labor markets in professional sports initially functioned under the reserve system. Under that system, once an amateur athlete signed a professional contract to play for a specific team, that team owned the rights to that athlete for the entirety of his career, unless, of course, the team owner traded or sold the athlete to a new team. The reserve system essentially eliminated intra-league competition by using a variety of contractual methods to prevent athletes from ever becoming free agents.⁵⁵

UFC contracts. *De Haviland v. Warner Bros. Pictures*, 153 P.2d 983, 985 (Cal. Dist. Ct. App. 1944). In the *De Haviland* case, the California courts concluded that the California Labor Code Section 2855 did not allow personal service contracts to extend beyond seven calendar years. *Id.* at 987. The court's opinion in *De Haviland* ended the studio system and essentially created "free agency" for actors in Hollywood. Under the modern system, studios renegotiate contracts for every new project. *See* Surowiecki. This has not stopped studios from investing millions of dollars promoting films, and thus increasing the fame and popularity of actors, even though the actor is likely to work with a competing studio on his or her next project. Jeffery B. Same, "Comment: Breaking the Chokehold: An Analysis of Potential Defenses Against Coercive Contracts in Mixed Martial Arts," 2012 Mich. St. L. Rev. 1057, 1079-80 (2012).

⁵⁵ James Quirk and Rodney Fort, *Pay Dirt: The Business of Professional Team Sports*. Princeton, N.J.: Princeton University Press (1992) (hereinafter "Quirk and Fort").

27. Under the reserve system, the compensation level for an athlete was set by the team, largely independent of the value produced by the athlete. As a result, until free agency was introduced in the professional leagues, the only historical source of competition for athlete talent, and thus of higher compensation for those athletes, arose during periods of inter-league competition, when a rival league emerged to challenge the dominance of one of the major leagues. In each of those cases, the dominant league knocked out its competition through purchase, merger or exclusionary business practices, including, in some cases, attempts to enforce the reserve clause to prevent athletes from going to a rival league.⁵⁶ By buying up rival leagues or driving them out of business, the established major leagues were able to end inter-league competition for athletes' services. Under the reserve system, without any inter- or intra-league competition for their services, athlete salaries and benefits languished at very low levels.

28. The free agency markets enjoyed by professional athletes today were created by a series of legal antitrust challenges and the formation of players' associations that have engaged in collective bargaining with the major sports leagues to end the reserve system. Those battles led to a successive set of rules in each league that reduced the restrictions that players faced in reaching the end of their exclusive contract terms and receiving competing bids from other teams. Many of the restrictions that the leagues imposed on free agency mirror the strategies used by the UFC to put obstacles in the path of fighters reaching the

⁵⁶ The history of rival leagues in professional team sports has been discussed by many authors. See, for instance, Harold Seymour, *Baseball: The Early Years*. New York: Oxford University Press, 1960; Stefan Szymanski and Andrew Zimbalist, *National Pastime: How Americans Play Baseball and the Rest of the World Plays Soccer*. Washington, D.C.: Brookings, 2006; and, Quirk and Fort, ch.8.

end of their contract terms and becoming free agents.

29. The history of the development of free agency and dynamics of inter-league competition within the professional team sports reveals how restrictions on athlete mobility affect both athlete compensation and the popularity of team sports. In each of the professional team sports, removal of restrictions on free agency led directly to higher compensation for athletes. In addition, contrary to the claims of the leagues and club owners, the advent of free agency did not spell doom for the popularity of any sport, but instead, if anything, enhanced their respective popularity and success.

i. **Major League Baseball**

30. Since the formation of the National League (NL) in 1876, professional baseball has experienced several episodes of inter-league competition that put significant upward pressure on player salaries. One of the more notable episodes occurred with the formation of the American Association (AA) in 1882. During the period of competition between the NL and AA nominal average annual salaries in the NL rose from \$1,375 in 1882 to \$3,500 in 1891 (roughly the equivalent of \$94,600 in 2017 dollars). Then, in 1891, four of the AA teams were absorbed into the NL and another five AA franchises were dissolved. Absent inter-league competition, average NL salaries fell steeply to \$2,400 in 1892.

31. Similar episodes occurred with the formation of the American League (AL) in 1901 until its accord with the NL in 1903 and with the Federal League in 1913 until its

dissolution and partial buy-out in 1915.⁵⁷

32. Prior to 1976, Major League Baseball (“MLB”) athlete contracts contained a reserve clause that permitted the clubs to automatically renew the individual player contracts for the next year in perpetuity if the team and the athlete could not agree to a contract.⁵⁸ For example, the 1969 contract of Curt Flood,⁵⁹ a player for the St. Louis Cardinals in MLB, included the following provision:

On or before January 15 ... of the year next following the last playing season covered by this contract, the Club may tender to the Player a contract for the term of that year by mailing the same to the Player at his address following his signature hereto, or if none be given, then at his last address of record with the Club. If prior to the March 1 next succeeding said January 15, the Player and the Club have not agreed upon the terms of such contract, then on or before 10 days after said March 1, the Club ***shall have the right*** by written notice to the Player at said address ***to renew this contract for the period of one year on the same terms, except that the amount payable to the Player shall be such as the Club shall fix in said notice***; provided, however, that said amount, if fixed by a Major League Club, shall be an amount payable ***at a rate not less than 80% of the rate stipulated for the preceding year***.⁶⁰

33. This reserve clause granted the St. Louis Cardinals control over Curt Flood for as

⁵⁷ For more empirical detail on this period of inter-league competition in professional baseball, see Lawrence Kahn, “The Sports Business as a Labor Market Laboratory,” *Journal of Economic Perspectives*, vol. 14, no. 3, Summer 2000, at 75-94 (“Kahn”). See also, Anthony C. Krautmann, Peter von Allmen & David Berri, “The Underpayment of Restricted Players in North American Sports Leagues,” *International Journal of Sport Finance* (August 2009); Andrew Zimbalist, “Salaries and Performance: Beyond the Scully Model,” in P. Summers (ed.), *Diamonds Are Forever*. Washington, D.C.: Brookings, 1992.

⁵⁸ The reserve system was introduced into baseball contracts in 1879. See Andrew Zimbalist, *Baseball and Billions: A Probing Look Inside the Big Business of Our National Pastime*. New York: Basic Books (1992) at 4-7. Also, see, *Flood v. Kuhn*, 407 U.S. 258, 259 n.1 (1972) (citing *Metropolitan Exhibition Co. v. Ewing*, 42 F. 198, 202-04 (S.D.N.Y. 1890)).

⁵⁹ Rule 3 of the Major League Rules provided that player contracts were required to be uniform such that the reserve clause in the Curt Flood contract was the same as for all players. See *Flood*, 407 U.S. at 259 n.1 (citing Major League Rules).

⁶⁰ Exhibit B, at paragraph 10(a) (image of the 1969 Curt Flood Contract) (emphasis added).

long as the Club desired. Just as with the UFC's contracts, Curt Flood's contract also contained a clause stating that "while under contract, and prior to expiration of the Club's right to renew this contract, he *will not play baseball otherwise than for the club...*"⁶¹

34. Moreover, the Curt Flood contract only permitted the player to terminate the contract if "the Club shall default in the payments to the Player ... or shall fail to perform any other obligation agreed to be performed by the Club hereunder and if the Club shall fail to remedy such default within ten (10) days."⁶² By contrast, the Club had the right to terminate the contract under a variety of circumstances including if the player "fail[s], in the opinion of Club's management, to exhibit sufficient skill or competitive ability to qualify or continue as a member of the Club's team."⁶³ The standard UFC contract is similarly asymmetrical, locking in the Fighter for a stated number of bouts or months (and including various tolling and other extension provisions), while allowing Zuffa to cut a fighter after one loss or two consecutive losses.⁶⁴

35. Following his forced trade to the Philadelphia Phillies in October 1969, Curt Flood asked to be made a free agent. The Commissioner of Baseball declined that request.⁶⁵

⁶¹ *Id.* at paragraph 5(a).

⁶² *Id.* at paragraph 7(a)

⁶³ *Id.* at paragraph 7(b).

⁶⁴ DB-ZUFFA-00020303 at 04 ("Unlike many professional athletic organizations, UFC's exclusive contracts with its fighters do not guarantee significant payments to the fighters who do not perform. All fighters are classified as independent contractors that receive benefits based on the number of fights they participate in. Fighters that sign a contract with UFC are unable to fight in any other MMA organization. Notably, UFC actively structures contracts to limit fixed costs. Generally, the UFC signs fighters to 1-3 year contracts and pays them an agreed upon amount each time they fight.... Underperforming fighters do not have the ability to create long term liabilities since the UFC reserves the right to terminate a fighter's contract after one or two consecutive losses ("Cut-clause").").

⁶⁵ *See Flood*, 407 U.S. at 265.

Flood then challenged his MLB contract in federal court. The Supreme Court decided his case in 1972. Subsequent to a review of the Court’s jurisprudence in prior cases concerning the “business of baseball” and the reserve clause, the Court held that baseball’s reserve clause system enjoyed an exemption from the federal antitrust laws, although such exemption is “in a very distinct sense, an exception and an anomaly confined to baseball.”⁶⁶ The Court specifically noted that “[o]ther professional sports operating interstate—football, boxing, basketball and, presumably, hockey and golf—are not so exempt.”⁶⁷

36. Despite the Supreme Court’s endorsement of baseball’s antitrust exemption, baseball players became the first professional athletes to achieve significant free agency, through strategies involving collective bargaining and arbitration rather than through the courts. In 1970, the MLB Players Association won the right to arbitrate player salary disputes in front of a neutral arbitrator instead of the MLB commissioner. In 1974, pitcher Jim “Catfish” Hunter became the first player to take advantage of arbitration to escape the reserve clause and become a free agent. The arbitrator declared Hunter’s contract was void based on a technicality that arose from the Oakland Athletics’ withholding part of his \$100,000 salary connected to a pension contribution. After Hunter won free agency in arbitration, through a competitive bidding process he was able to secure a five-year contract with the New York Yankees for \$3.35 million.⁶⁸ The 750% increase in his salary from 1974 to 1975 dramatically demonstrated to everyone in the baseball world the impact of free agency on athlete compensation.

⁶⁶ *Id.* at 282.

⁶⁷ *Id.* at 282-83.

⁶⁸ Paul Weiler, *Leveling the Playing Field: How the Law Can Make Sports Better for Fans* (2000) at 138.

37. Hunter's success led other baseball players to devise strategies to escape MLB's reserve clause. Shortly after the Hunter arbitration, Andy Messersmith of the Los Angeles Dodgers and Dave McNally of the Montreal Expos, neither of whom had signed his contract for the year after the reserve clause was first invoked, declared themselves to be free agents. The owners of the MLB Clubs disagreed, arguing that the reserve clause renewed the contracts in perpetuity. The Messersmith and McNally cases were submitted to arbitration before arbitrator Peter Seitz. On December 23, 1975, Seitz issued his ruling that Messersmith and McNally were free to bargain with other teams because MLB could not maintain a player's services indefinitely.⁶⁹

38. Following the Messersmith and McNally arbitration decisions, more than half of MLB players chose to play out their contract options during the 1976 season.⁷⁰ Simultaneously, the players and MLB entered into negotiations over a new collective bargaining agreement ("CBA"), after their prior CBA expired at the end of 1975. By mid-summer 1976, the players were successful in reaching an agreement with MLB providing for substantially unrestricted free agency for veterans with six years of service in the major leagues, as well as the right to salary arbitration after two years of service.

39. Although this form of free agency was still restricted in many important ways,

⁶⁹ See Associated Press, "Arbitrator's Ruling Puts Baseball in Hot Corner," Chicago Tribune, Dec. 25, 1975, available at <http://archives.chicagotribune.com/1975/12/25/page/82/article/arbitrators-ruling-puts-baseball-in-hot-corner>.

⁷⁰ Weiler at 140.

salary increases quickly ensued.⁷¹ In 1976, the year before free agency hit in earnest, the average MLB player salary was \$51,501. The following year, salaries jumped to approximately \$76,000. Five years later, in 1981, with free agency in full swing, the average salary had risen 3.6 times to \$185,651. The salary share in total baseball revenue increased as well: from 17.6 percent in 1974, to 20.5 percent in 1977 and to 41.1 percent in 1982.⁷² By 1992, the average salary exceeded a million dollars. Today, it exceeds \$4 million. As top salaries grew and raised average salaries, they also pushed the market upward for all players. Baseball players' minimum salary increased from \$16,000 in 1975, to \$30,000 in 1980, to \$60,000 in 1985, \$100,000 in 1990 and to \$507,500 in 2015. Indeed, between 1990 and 2015 the minimum salary grew by over five times while the average salary grew by 3.56 times.⁷³

ii. **National Football League**

40. Like MLB, the NFL imposed severe restrictions on player movement between teams that limited salary growth. Each team used standard player contracts which prohibited players from signing with another club without the consent of the club holding the player's contract. The contracts were enforced by agreement of the clubs to blacklist any player violating them and to "visit severe penalties on recalcitrant member clubs."⁷⁴

41. However, unlike in professional baseball during the middle of the twentieth century, the existence of multiple leagues created competition for player talent. In the 1940s, for

⁷¹ This is at least in part due to the fact that the salary levels set by those players who were allowed to become free agents started figuring into the arbitrator's calculations of the benchmark prevailing wage.

⁷² Kahn at 81.

⁷³ This data comes from the Major League Baseball Players Association and is cited at www.latimes.com/sport/mlb/la-sp-mlb-salaries-chart-20160329-story.html.

⁷⁴ See *Radovich*, 352 U.S. at 449.

example, professional football players could contract with the NFL, the Pacific Coast League (which was affiliated with the NFL), the All-America Football Conference (“AAFC”), or the American Football League (“AFL”).⁷⁵ Prior to the 1970 merger of the NFL and the AFL (then the last remaining competitor to the NFL), the leagues generally competed with each other for player talent, with some important limitations.⁷⁶

42. In the 1950s, during the period of NFL-AAFC inter-league competition, the NFL owners realized that they would be unlikely to be able to enforce their reserve clause to block players from moving to a rival league. Instead, the NFL owners established a “blacklisting” policy meant to prevent players from attempting to leave in the first place by barring any player who left the league from being able to return.⁷⁷ The NFL enforced the blacklisting policy against Pete Radovich, who had moved from the Detroit Lions to the Los Angeles Dons in the newly

⁷⁵ In fact, four different top-level professional football organizations used the name “American Football League.” The first AFL operated in 1926 and consisted of nine teams. The second AFL operated during 1936-1937 and consisted of eight teams. The third AFL operated during 1940-1941 and had six teams in 1940 and five teams in 1941. The fourth and final American Football League was founded in 1960 and operated until 1969 when it was merged with the NFL for the 1970 season.

⁷⁶ For example, as noted in the 1957 Supreme Court case *Radovich v. National Football League*, 352 U.S. 445, 448 (1957), the Pacific Coast League and the NFL did not compete over players who were already under contract in one or the other league.

⁷⁷ Zuffa is alleged to have similarly blacklisted fighters who worked with potential rivals. CAC ¶ 116. For example, in November, 2009 EA Sports announced the launch of an MMA video game featuring Strikeforce as its flagship promotion. Steve Sievert, “Strikeforce to be flagship promotion in upcoming ‘EA Sports MMA’ videogame,” MMAJunkie.com, Nov. 06, 2009, available at <https://web.archive.org/web/20091109023530/http://mmajunkie.com/news/16763/strikeforce-to-be-flagship-promotion-in-ea-sports-mma-videogame.mma>. UFC President Dana White responded by declaring himself “at war” with EA over the development of the video game. ZUF-00335242. His ammunition in that war was UFC’s dominance, and he quickly “made it clear that any fighter who signs over their likeness to the new project will be blacklisted from the UFC,” and explained that “fighters who sign contracts to appear in EA Sports’ upcoming MMA title ‘will find themselves out of the UFC’s good graces.’” ZUF-00335242.

created AAFC in order to be closer to his sick father.⁷⁸ Years later, after being blacklisted and prevented from returning to the NFL as a coach, Radovich responded with an antitrust lawsuit that resulted in the Supreme Court holding that baseball's antitrust exemption does not apply to professional football.⁷⁹ After the Supreme Court held that Radovich was entitled to prove his antitrust allegations against the NFL, the NFL eventually settled the case.

43. Despite such attempts to restrict inter-league competition, the existence of multiple leagues in football led to substantial increases in compensation for professional football players. Specifically, NFL salaries increased from an average of \$10,000 in 1960 to \$25,000 in 1967 due to inter-league competition between the NFL and the AFL, reflecting significantly higher compensation than that made by professional baseball players who were subject to the reserve clause and lacked the benefit of competition between leagues. Attempting to avoid this competition, the NFL and AFL merged in 1970, ending inter-league competition. The merger avoided antitrust review through a late-night amendment to an unrelated tax bill that made the merger immune from antitrust challenge.⁸⁰

44. After the merger ended inter-league competition, the NFL's version of the reserve system also prevented intra-league competition through free agency, just as in MLB. Players who signed a contract with a particular club or who were drafted by the club (regardless of whether they signed a contract), were added to the club's "reserve list," which barred other NFL

⁷⁸ See *Radovich*, 352 U.S. at 449; Weiler at 150-151.

⁷⁹ *Radovich*, 352 U.S. at 452.

⁸⁰ Weiler at 151. In exchange for introducing this amendment to the tax bill, Senator Russell Long and representative Hale Boggs got an NFL franchise for Louisiana, the New Orleans Saints. *Id.*

clubs from negotiating with the player.⁸¹ NFL players who were on a club's "reserve list" could only play for that NFL club. If the player sat out and refused to play, he remained on the "reserve list."⁸² Under the standard player contract, the player was bound to his club for a period of at least two years.⁸³ In addition, the standard NFL player contract contained a provision known as the "Option Rule," which gave the employing club a unilateral option to renew the contract for a further term of one year at a reduced rate of compensation.⁸⁴ The purpose of this rule was to coerce players to sign a new contract on the owner's terms under peril of having to serve another year at reduced compensation.⁸⁵ The player could only become a free agent after playing out the option year at reduced compensation.⁸⁶ The NFL also had a so-called "tampering" rule, which required that during the time a player was under contract with one club, including the option year, all other clubs were prohibited from negotiating with or making offers

⁸¹ *Kapp v. Nat'l Football League*, 390 F. Supp. 73, 76 (N.D. Cal. 1974).

⁸² Similarly, fighters under contract with the UFC are only permitted to fight for the UFC unless Zuffa gives them permission to fight for another MMA promoter. If a fighter were to sit out and refuse to fight, the contract would be tolled indefinitely and thereby prevent him or her from fighting for any other MMA promoter. While Zuffa has occasionally granted exceptions, those have only been for non-televised fights, limiting the exceptions to events that did not present any serious competitive threat to the UFC. Silva explained that since 2000, Zuffa has given fighters permission to fight for another promotion under their contract approximately 20 times. Silva Dep. at 229:2-24, 232:5-13, 233:2-234:4 ("It was one of the provisions, that it wouldn't be a televised fight.").

⁸³ *Mackey v. Nat'l Football League*, 407 F. Supp. 1000, 1005 (D. Minn. 1975), *aff'd in part*, 543 F.2d 606 (1976) (discussing R.C. Owens becoming a free agent after playing out his option year).

⁸⁴ *Kapp*, 390 F. Supp. at 77.

⁸⁵ *Id.*

⁸⁶ *See Mackey*, 407 F. Supp. at 1003.

to the player.⁸⁷

45. The Rozelle Rule was unilaterally adopted by the NFL clubs in 1963 as an amendment to the NFL's Constitution and By-Laws.⁸⁸ The Rozelle Rule essentially provided that a player could become a free agent if he waited until his contract expired and played through the option year, but any other team who wanted to sign that player *also* needed to compensate the player's former club.⁸⁹ If the two clubs were unable to conclude mutually satisfactory arrangements, the Commissioner would award compensation in the form of one or more players and/or draft picks.⁹⁰ Since the Commissioner's decision on appropriate compensation was open-ended, it was sufficient to deter virtually all player movement between clubs.

46. The Rozelle Rule was challenged in *Mackey v. National Football League* in 1975. In that case the Eighth Circuit observed that, although a player "theoretically gains his freedom and may bargain with any club" after he plays out his option year, "[s]uch freedom appears to be illusory."⁹¹ Among other reasons, the court noted the substantial deterrent effect for becoming a free agent created by forcing a player to endure the hardship of playing through the option year knowing that "he probably will have no choice but to return to the defendant club to which he

⁸⁷ *Id.* at 1005-6. This rule is somewhat similar in effect to the UFC's ban on negotiating with rivals while under contract and then during the exclusive negotiation period. These provisions restrict the time an athlete has to negotiate for offers from a new employer, thus increasing the risk to a player that if they try to play out their contract and become a free agent, they could end up with no offer at all.

⁸⁸ *Id.*

⁸⁹ *Mackey v. NFL*, 543 F.2d 606, 609 n.1 (8th Cir. 1976).

⁹⁰ *Id.*

⁹¹ *Mackey*, 407 F. Supp. at 1006.

has already announced his intention to leave.”⁹²

47. The *Mackey* court concluded that, under such circumstances, the NFL’s rules operated similarly to professional baseball’s reserve clause, even though, in three isolated instances, a player had signed with a new team without compensation having been determined in advance.⁹³ The court concluded that the Rozelle Rule *in conjunction with* the rest of the NFL’s reserve system – including the standard exclusive player contract, the option clause, and the tampering rule – was designed to “impose severe hardships on a player prior to his ever becoming a free agent and act to discourage and deter players from playing out the option and achieving that status.”⁹⁴ Ultimately, the court found that the NFL’s reserve system substantially restricted players’ freedom of movement, reduced their bargaining power in contract negotiations, and resulted in lower salaries paid by each club than if competitive bidding were allowed to prevail.⁹⁵

48. The NFL offered a number of justifications for the Rozelle Rule, including that it was purportedly necessary to protect the clubs’ investment in scouting expenses and player development costs.⁹⁶ However, the court rejected this justification, finding that the expenses

⁹² *Id.* at 1006-07. Note that similar obstacles exist to UFC fighters successfully becoming free agents, in particular the risk of foregoing any compensation for over a year, as well as the ability of Zuffa to deny them advantageous matchups and card placement if they attempt to fight out their contract. *See supra* Section III.

⁹³ *Id.* at 1006.

⁹⁴ *Id.* at 1005. Note the substantial parallels between the NFL’s methods to prevent free agency and those used by the UFC.

⁹⁵ *Id.* at 1007.

⁹⁶ Zuffa may offer a similar justification here for their conduct and contracting practices that make it difficult for fighters to become free agents. Hendrick Exh. 2 at 4 (“If an athlete is injured at another MMA event, that athlete could be unavailable for a UFC event, which would

incurred by the clubs in player development are similar to those incurred by other businesses, and that there is no right to compensation for this type of investment.⁹⁷

49. Although the NFLPA won a judicial battle in *Mackey* against the NFL's reserve system, that victory did not lead to free agency in the NFL. After a failed strike in the summer of 1974 and incurring huge legal expenses in its attempt to secure full free agency via litigation, union leaders settled the *Mackey* case and entered into a new five-year collective bargaining agreement with the NFL that bartered compensation improvements for players in exchange for a new version of the Rozelle Rule.⁹⁸ During the next ten-year period under which the compromise was in place, only one "free" agent who was subject to draft pick compensation actually shifted to a new team.⁹⁹ As a result of these restrictions on free agency in the NFL, average player salaries increased from \$55,000 in 1977 to \$90,000 in 1982, while during the same period of time as free agency flourished in baseball average salaries in MLB increased from \$52,000 in 1977 to \$241,000, even though during that period the NFL's popularity was rising faster than MLB's under any financial metric.¹⁰⁰

jeopardize Zuffa's significant investment in promoting its athletes and events."'). However, I have seen no evidence that Zuffa incurs special training costs above and beyond those incurred by other professional sports teams such as the NFL clubs. On the contrary, Zuffa fighters are treated as independent contractors who cover their own costs for most training, management, medical insurance, food, nutritional supplements, physical therapy, etc., and travel while they are training. Silva Dep. at 186:18-187:21.

⁹⁷ *Mackey*, 543 F.2d at 621.

⁹⁸ Weiler at 154. Under the new version of the rule, compensation was limited to draft picks.

⁹⁹ *Id.*

¹⁰⁰ *Id.* at 155. It bears mention that there was a period of less than two years when the NFL faced competition over players during 1974 and 1975 from the startup World Football League (WFL). The WFL was poorly organized and underfunded, yet it did compete over players with the NFL and probably had some impact on the modest NFL salary growth during the 1970s.

50. Following another NFL players' strike of seven weeks during 1982, the United States Football League (USFL) was born, with Donald Trump as owner of the New Jersey Generals. Initially a number of prominent NFL players jumped to the USFL and vigorous salary competition ensued. While real average NFL salaries increased at an annual rate of 4 percent between 1977 and 1982, and at 5 percent per year between 1985 and 1989, during the three years of competition with the USFL average salaries grew at a 20 percent annual clip.¹⁰¹ However, the NFL had locked up broadcasting contracts at the three major national networks, which shut the USFL out of meaningful television revenue. Following a successful antitrust challenge on liability, but a monetary award of only \$3 (after trebling), the USFL folded.

51. It was not until after another major legal battle that free agency came to the NFL in earnest. In 1989, the NFL owners unilaterally implemented "Plan B free agency."¹⁰² Plan B free agency stipulated that each team could reserve 37 of the 45 players on its active rosters. That is, only the 8 least productive players on each team gained free agency rights, while the 37 most productive players did not. In *McNeil*, the NFL's reserve system (Plan B free agency) was deemed to be an illegal restraint of trade by a jury trial in 1992, which found that Plan B had a "harmful effect on competition in the relevant market for the services of professional football players[,] that it was "more restrictive than necessary to achieve the objective of establishing or maintaining competitive balance in the NFL[,] and that the players had suffered economic injury as a result. Following the resolution of *McNeil*, several other players brought a class action seeking to prevent the NFL from imposing any restrictions on the movement of players

¹⁰¹ See Kahn at 80.

¹⁰² *McNeil v. NFL*, No. 4-90-476, 1992 WL 315292, at *1 (D. Minn. Sept. 10, 1992).

whose contracts expired on February 1, 1993.¹⁰³ In February 1993, the NFL and a class of players entered into a settlement agreement which expanded unrestricted free agency to veteran players with more than five years of experience,¹⁰⁴ with a few remaining exceptions.¹⁰⁵ The settlement also implemented a salary cap based on an agreed upon share of the NFL's "Designated Gross Revenues" ("DGR"), ranging from 62%-67%.¹⁰⁶

52. As a result of the arrival of unrestricted free agency for veteran players, average salaries increased from approximately \$490,000 in 1992 to \$650,000 in 1993, high enough to trigger the salary cap.¹⁰⁷ By 1999, with the salary cap still in place, average player salaries had reached approximately \$1.1 million.¹⁰⁸ Further, as in baseball, the salary dynamic ensuing from free agency increased salaries across the board: average salaries were pulled up by the stars' salaries and minimum salaries followed the upward trend in parallel. Thus, the minimum salary in the NFL rose from \$50,000 in 1985 to \$325,000 in 2010 and to \$435,000 in 2015. That is, the minimum salary increased 8.7 fold over this period or at a healthy compound annual rate of 7.5 percent.¹⁰⁹

iii. **National Hockey League**

¹⁰³ *White v. NFL*, 822 F. Supp. 1389, 1395 (D. Minn. 1993).

¹⁰⁴ *Id.* at 1412.

¹⁰⁵ *See id.* at 1412-13; *infra*, section IV. B.

¹⁰⁶ *Id.* at 1413.

¹⁰⁷ Weiler at 110.

¹⁰⁸ *Id.*

¹⁰⁹ Note that minimum salaries in the NFL and NBA vary according to a player's years of service. They are lowest for rookies and highest for the longest standing veterans. I report the rookie minimums here, because are the lowest permissible level for salaries. But a similar trend exists across the salary spectrum.

53. The history of the reserve clause in the National Hockey League (“NHL”) is also relevant to an analysis of the effects of the challenged conduct because reform came in the context of a challenge by a competitor to the NHL, the World Hockey Association (“WHA”) and NHL players who wanted to play in the WHA. The NHL attempted to use the reserve clause to prevent the players from playing in the WHA. In turn, the players and WHA challenged the NHL’s use of the reserve clause as an anticompetitive scheme designed to willfully maintain its monopoly over major league professional hockey.

54. Prior to the formation of the WHA in 1971, the NHL was the only major league professional hockey association in North America.¹¹⁰ There were, however, three other professional hockey leagues at that time, the American Hockey League (“AHL”), the Western Hockey League (“WHL”), and the Central Hockey League (“CHL”),¹¹¹ which were considered inferior to the NHL.¹¹² At the time, the best players played in the NHL notwithstanding the existence of these other leagues.¹¹³ The NHL invested in these minor leagues, however, due to the important role those leagues played in developing talent for the NHL.

55. NHL players were required to sign a uniform Standard Player’s Contract. The Standard Player’s Contract included a reserve clause from at least 1952.¹¹⁴ The contract used during the 1971-72 playing season contained the following provision:

¹¹⁰ *Philadelphia World Hockey Club, Inc. v. Philadelphia Hockey Club, Inc.*, 351 F. Supp. 462, 474 (E.D. Pa. 1972).

¹¹¹ The CHL teams were owned by the NHL. *Id.*

¹¹² *Id.*

¹¹³ *Id.* There were two other leagues, the International Hockey League and the Eastern Hockey League, but they were viewed as “amateur” or “semi-professional” leagues at best. *Id.*

¹¹⁴ *Philadelphia World Hockey Club*, 351 F. Supp. at 475.

The Club agrees that it will on or before September 1st ... next following the season covered by this contract tender to the Players personally or by mail ... a contract upon the same terms as this contract save as to salary.

The Player hereby undertakes that he will at the request of the Club enter into a contract for the following playing season upon the same terms and conditions as this contract save as to salary which shall be determined by mutual agreement.¹¹⁵

56. In addition to the reserve clauses featured in all NHL player contracts as of 1972, the NHL By-Laws established various “lists” which related to the right of NHL teams to control the services of professional players.¹¹⁶ These “lists” included a “Voluntary Retired List,” a “Protected List” and an “Inactive List.”¹¹⁷ Similar to the NFL, the By-Laws of the NHL also forbid “tampering” with any player controlled by another club, where tampering was defined to include negotiating with, offering employment, or discussing employment.¹¹⁸

57. When the WHA began attempting to sign NHL players to play in the WHA, the NHL invoked the reserve clause in an effort to block players from leaving the NHL for the WHA. Over 20 major and minor lawsuits between the WHA and NHL ensued.¹¹⁹ The conduct that the WHA complained of, similar to the challenged conduct here, was the NHL’s contracts

¹¹⁵ *Id.* at 474 (citing NHL By-Laws § 2.2(a); Exhibit D-1, Campbell Affidavit, Ex. D-4). Any player’s Standard Player’s Contract entered subsequent to March 29, 1972 (after the entry of the WHA to the market for professional player services), would contain a similar clause that added reference to an arbitration agreement for determining player salaries when the parties could not agree. *Id.* at 475.

¹¹⁶ *Id.* at 476.

¹¹⁷ *Id.*

¹¹⁸ *Id.* at 477.

¹¹⁹ Steven A. Riess, *Sports in America from Colonial Times to the Twenty-First Century* (2011) at 962. *See also Philadelphia World Hockey Club*, 351 F. Supp. at 488 (describing “at least 11 legal actions” to enforce the NHL reserve clause as of November 1972).

and its enforcement strategies. These strategies allowed the NHL to control the supply of players who were capable and available for play in any potential new league where the level of internal competition might have fairly approached the level then existing in the NHL.¹²⁰

58. Among those lawsuits was the case *Philadelphia World Hockey Club, Inc. v. Philadelphia Hockey Club, Inc.* The case was a consolidated action concerning the WHA and NHL and also involved various hockey teams and John McKenzie, an NHL player seeking to play in the WHA.¹²¹ The WHA sought a preliminary injunction against the enforcement of the NHL's reserve clause to prevent NHL players from signing with WHA teams. A federal court granted the injunction in 1972. A primary basis for the granting of the injunction in favor of the WHA was the finding that the "total effect of the NHL's conduct will be to destroy the economic viability of the new league [the WHA] and to return to the NHL their monopoly over major league hockey."¹²² In doing so, the court also recognized that "[i]f the WHA should be driven out of business, the public and players would lose the benefit of competition which has already raised players' salaries and made hockey available to new audiences."¹²³

59. The NHL owners responded to the injunction by unilaterally modifying the reserve clause rules in November 1973 to adopt a version of the one-year option similar to the Rozelle Rule used by the NFL. As in the NFL, if a player played out the option year, he would be able to move to another team. However, if he switched to another NHL team rather than leaving for the WHA, the new team would have to compensate the old team with a combination

¹²⁰ *Philadelphia World Hockey Club*, 351 F. Supp. at 509.

¹²¹ *Id.* at 462.

¹²² *Id.* at 496.

¹²³ *Id.*

of current player contracts, draft choices, and/or cash.¹²⁴ If the teams could not agree on the compensation themselves, it would be chosen from their “last best offer” submitted to an NHL arbitrator.¹²⁵ In February 1974, the district court approved a settlement in the ongoing lawsuit between the WHA and NHL¹²⁶ that included monetary damages, inter-league play and the NHL modifying its standard contract to free players to move to a rival league. The two leagues eventually agreed to recognize each other’s contracts and, beginning in 1974, 67 exhibitions games were played between teams in the two leagues.¹²⁷ The NHLPA agreed to the new reserve system because the continued existence of inter-league competition from the WHA was sufficient to keep salaries rising, with the caveat that the agreement was terminable if the NHL ever merged with the WHA.

60. As noted by the *Philadelphia World Hockey* court, player salaries increased dramatically after the WHA entered the market.¹²⁸ The average former NHL player who joined the WHA saw salaries increase from \$31,000 in 1971-72 to \$53,000 in 1972-73.¹²⁹ For many players, the increase was even more pronounced. Derek Sanderson’s salary went from \$50,000 per season in the NHL to \$300,000 in the WHA.¹³⁰ Gerry Cheevers’s salary rose from \$47,500 in the NHL to \$200,000 in the WHA.¹³¹ In other cases, players received significant counter offers

¹²⁴ *McCourt v. Cal. Sports, Inc.*, 460 F. Supp. 904, 906 (E.D. Mich. 1978).

¹²⁵ *Id.*

¹²⁶ *Id.* at 910.

¹²⁷ *Id.*

¹²⁸ *Philadelphia World Hockey*, 351 F. Supp. at 488.

¹²⁹ *See Riess, supra*, at 962.

¹³⁰ *Id.*

¹³¹ *Id.*

to stay in the NHL. John McKenzie made \$48,000 in 1971-72 and, to keep him from leaving for the WHA the following season, McKenzie's NHL team offered him \$100,000.¹³² With NHL players leaving or threatening to leave for the WHA, the average NHL salary rose from \$24,000 in 1971-72 to \$40,000 in 1972-73.¹³³

61. By 1979, however, the WHA and NHL agreed to the functional equivalent of a merger after several years of discussions between the two leagues concerning cost controls and the manner of reestablishing a monopoly in the industry.¹³⁴ Although the merger triggered the NHLPA's right to renegotiate its agreement, the players ultimately agreed to a heavily restricted version of free agency that severely limited intra-league competition for talent. While average NHL salaries had reached approximately \$96,000 in the 1977-78 season, significantly higher than the \$76,000 achieved in baseball after a full year of free agency, in the years after the merger, players' salaries leveled off.¹³⁵ By the early 1990s, hockey nominal salaries averaged just slightly over \$200,000, while free agency had driven baseball's average salaries over \$1 million.¹³⁶ Moreover, in real 1977 dollars, the \$200,000 salary in 1991 was worth only \$90,000. So, after adjusting for intervening inflation, the average NHL salary actual fell during this period of reduced competition after the merger.

62. In 1992, through collective bargaining, the NHLPA negotiated a moderate form of unrestricted free agency for players 31 or older and/or those with 10 years of service who

¹³² *Id.*

¹³³ *Id.* Further, minor league players saw their wages rise with the entry of the WHA into the player services market. Players who joined the WHL doubled their wages. *Id.*

¹³⁴ *Id.*

¹³⁵ Weiler at 156.

¹³⁶ *Id.*

were earning less than the league average.¹³⁷ In combination with salary arbitration, even this restricted form of free agency drove average NHL salaries to \$900,000 in 1995-96, and to \$1.5 million in 2005-06.¹³⁸ As with MLB and the NFL, the advent of free agency in the NHL brought increases not only to top and average salaries, but also commensurate growth in the minimum salary. The NHL's minimum salary grew from \$125,000 during the 1995-96 season to \$450,000 during 2005-06. Thus, reduced restrictions on free agency led to higher compensation for athletes across the board.

iv. **National Basketball Association**

63. From 1949 to 1959, the National Basketball Association ("NBA") was the only professional basketball league in the United States.¹³⁹ Like the other three major sports leagues, the NBA used a reserve clause up until the mid-1970s.¹⁴⁰ Until 1967, the reserve clause essentially restricted all competition for NBA player talent. However, in 1967, a competing league was created, the American Basketball Association ("ABA"). By the early 1970s, bidding wars between the NBA and the ABA had caused average salaries to increase from approximately \$20,000 in 1967 to approximately \$90,000 in 1972.¹⁴¹ In 1972, NBA

¹³⁷ *Id.*

¹³⁸ *Id.*; "Average Salary for EPL, NBA, MLB, NFL, NHL, MLS, WNBA, AFL etc..." BigSoccer.com, Apr. 14, 2006, available at <http://www.bigsoccer.com/threads/average-salary-for-epl-nba-mlb-nfl-nhl-mls-wnba-afl-etc.339337/>; Kevin Yam, "Salary of a Hockey Player," The Physics Factbook, 2005, available at <https://hypertextbook.com/facts/2005/KevinYam.shtml>.

¹³⁹ See Thane Rosenbaum, "Antitrust Implications of Professional Sports Leagues Revisited: Emerging Trends in the Modern Era," 41 U. Miami L. Rev. 729, n.180 (1987).

¹⁴⁰ See Richard E. Bartok, "NFL Free Agency Restrictions Under Antitrust Attack," 41 Duke L.J. 503, 515 n.66 (1991) (citing James B. Dworkin, *Owners versus Players: Baseball and Collective Bargaining*. Boston, Mass: Auburn House (1981) at 233.

¹⁴¹ Weiler at 152.

players were the highest compensated in any of the team sports and the salary share in revenue had grown from 30 percent in 1967 to 66 percent in 1972.¹⁴²

64. From the outset, the owners of the teams in the ABA sought to merge with the NBA. When word of merger discussions leaked out to the players, they responded in 1970 with an antitrust class action against both leagues in the name of National Basketball Players' Association president, Oscar Robertson.¹⁴³ In *Robertson v. National Basketball Association*, 389 F. Supp. 867 (S.D.N.Y. 1975), the players alleged that the NBA monopolized major league professional basketball by: (1) controlling the terms upon which major league basketball was played in the United States; (2) allocating and dividing the market for professional player talent; and (3) enforcing its monopoly through boycotts, blacklists and concerted refusals to deal.¹⁴⁴

65. At that time, the Uniform Contract that all players were required to sign included exclusionary provisions such as:

- a. A provision requiring that the player shall play basketball for his club or its assignees exclusively until "sold" or "traded;"
- b. A provision that the club has the absolute right to sell, exchange, assign or transfer the Uniform Contract on the same terms to another club;
- c. A provision stating that if the player refuses to play, the club may either terminate the Uniform Contract or seek an injunction to prevent the player from playing basketball for anyone else; and
- d. A reserve clause which provides that if the player refuses to sign the Uniform Contract for the next playing season, the club can

¹⁴² Kahn, op cit., at 79.

¹⁴³ *Robertson v. National Basketball Assn.*, 389 F. Supp. 867, 873 (S.D.N.Y. 1975).

¹⁴⁴ *Robertson*, 389 F. Supp. at 873-74.

unilaterally renew and extend the contract on the same terms and conditions including salary.¹⁴⁵

66. The plaintiff players alleged that the NBA used those provisions not only to prevent player movement and negotiation between teams in the NBA, but also to prevent players from leaving for the ABA.¹⁴⁶ The *Robertson* court reviewed the decisions in the recent hockey cases (including *Philadelphia World Hockey* decision) and expressed substantial skepticism as to whether the reserve rule, the proposed merger between the NBA and the ABA, and other allegedly exclusionary conduct of the NBA could survive scrutiny under the antitrust laws.¹⁴⁷ In the face of this judicial opposition, and finding themselves unlikely to get a special exemption from Congress to immunize their league merger, the NBA owners entered into a ten-year settlement with the players. The settlement introduced free agency in two stages, in exchange for allowing the NBA and ABA merger to go forward in 1976 and reestablishing the NBA's monopoly over the sport.

67. From 1976 to 1980, the perpetual reserve rule was replaced with a compensation scheme similar to the NFL's Rozelle Rule.¹⁴⁸ Under this scheme, the NBA commissioner determined compensation to be paid to the club that lost the free agent, which could consist of cash, draft picks, or players already in the NBA if the teams were unable to settle the matter among themselves.¹⁴⁹ From 1981 to 1986, the NBA was to abolish its

¹⁴⁵ *Id.* at 874. If the player is "traded" or "sold" under the Uniform Contract, the reserve clause can be invoked by the new team. *Id.*

¹⁴⁶ *Id.*

¹⁴⁷ *See id.* at 893-896.

¹⁴⁸ Bartok at 503, n.66.

¹⁴⁹ *Id.*

compensation scheme for free agency and replace it with a right of first refusal.¹⁵⁰

68. During this period where free agency was introduced to basketball, average salaries rose from \$143,000 in the 1977-78 season to \$246,000 in the 1982-83 season, while average hockey salaries (which continued to have highly limited competition for athletes) did not even keep pace with inflation during that same period.¹⁵¹

69. In 1983, the NBA and the players' union reaffirmed the right of first refusal and added a mandatory salary floor and cap.¹⁵²

70. In 1988, the new collective bargaining agreement maintained this free agency structure, except that it eliminated the right of first refusal for "veteran" players who play out their second contract.¹⁵³ With some modifications, the basic structure of NBA free agency has largely survived in similar form since that 1983 deal.

71. The salary increases that resulted from free agency in the NBA were also spread broadly across all NBA players, including the lowest compensated. With the introduction of the salary cap for the 1984-85 season and the concomitant lifting of player compensation for the signing of free agents, the average salary in the NBA began to skyrocket, reaching \$3 million during the 1998-99 season and eventually \$6.25 million during the 2016-17 season. Mimicking the pattern in the other leagues, the NBA minimum salary increased from \$37,500 in 1979-80, to \$65,000 in 1984-85, \$150,000 in 1994-95,

¹⁵⁰ *Id.*

¹⁵¹ Weiler at 156-57 (noting hockey salaries increased from \$96,000 to \$112,000 during the same period).

¹⁵² *Id.*

¹⁵³ *Id.* Veterans were initially defined to include players who had five years of NBA service. Starting in 1993 the threshold was reduced to four years of service.

\$385,000 in 2004-05, and \$543,400 in 2016-17.

B. Collective Bargaining and Modern Restricted Free Agency

72. As the above history illustrates, in addition to judicial intervention, collective bargaining played an important role in the eventual elimination of the reserve system—a system with competitive restraints on “free agency” akin to what Zuffa has perpetuated with the UFC through the challenged conduct—in each of the team sports. However, in the process of negotiating these reforms through collective bargaining, the players and team owners have agreed to implement or maintain a variety of restrictions on free agency preventing the existence of a fully competitive labor market. One such restriction is the right of first refusal, which limits the ability of a player to move to another team by giving their first team a right to match competing offers during a specified period of time.¹⁵⁴

73. In the NBA, for instance, when the players won the right to free agency as part of the settlement in *Robertson v. NBA* in 1976, the owners were successful in implementing both compensation for players lost to free agency and the right of first refusal.¹⁵⁵ While compensation for players lost to free agency ended in 1981, the right of first refusal persists today for the category of restricted free agents. The right of first refusal deters salary growth because the owners realize that the chances of bidding for a restricted

¹⁵⁴ Another example is that NFL teams today can designate a “franchise player,” enabling them to keep one key player as long as they pay that player at the average (or above) of the top five players at his position in the league. There are also transition players for which the team owner has a right of first refusal. Of course, each of these restrictions was collectively bargained with the NFLPA and, hence, is protected under the non-statutory labor exemption from the antitrust laws.

¹⁵⁵ Bartok at 515.

free agent leading to actually signing that free agent are low.¹⁵⁶ However, one of the principal impacts of bidding is to raise player salary. If owner A bids for owner B's player, then owner B is likely to return the favor and bid for a player from owner A's team. The net effect of this bidding is not to reallocate talent across the teams, but to raise the players' salaries. Consequently, owners tend to shy away from bidding for restricted free agents.

74. Another important restriction on the players' market imposed by the sports leagues in some form is a team salary cap. In each of the leagues except MLB, collective bargaining has resulted in an agreement to superimpose a salary cap on top of free agency, calculated as a percentage of defined league revenues. These salary caps were negotiated by the players' unions in the context of robust intra-league competition among teams, and provide players with close to 50 percent of league-wide revenue including very strong health and retirement benefits.

75. While it is not clear that these restrictions would survive antitrust review if they were imposed unilaterally by the team owners, players in the major U.S. team sports bargain away the right to unrestricted free agency in exchange for preserving the basic process that allows teams to compete against each other for player services or for other benefits, such as increased pensions or better health care.¹⁵⁷ The leagues have attempted to justify such limits on free and open competition on the grounds that they are necessary in order for a *league* of competing teams to function. The nature of a league is that the teams

¹⁵⁶ Note however, that player's compensation in the NBA is still much higher than that in the UFC, as described in Section V. *C infra*.

¹⁵⁷ Because of the non-statutory labor exemption to the antitrust laws, many of these restrictions are immune from antitrust review since they were bargained for collectively.

create a *joint* product as a result of teams competing against each other on the field. If the teams cannot maintain competitive balance, the appeal of the joint product may suffer.

76. Team owners' justifications for the reserve clause based on maintaining competitive balance are unsubstantiated. However, even if the evidence supported such a competitive balance justification for more limited restrictions on free agency in the league sports, such a justification could not apply to MMA, because there is no equivalent joint product. On the contrary, because Zuffa refused even to co-promote events with other MMA promotions, there cannot be a competitive balance justification for imposing restrictions on free agency.¹⁵⁸

77. Furthermore, many of the restrictions on free agency used by the leagues are in fact less restrictive than those used by the UFC, which faces no countervailing seller power from a players' union. For example, Zuffa's right-to-match clause in its standard fighter contract is much more restrictive than the right of first refusal used in the NBA, the NFL or the NHL. First, I understand that Zuffa's right to match is typically preceded by a thirty- to ninety-day exclusive negotiation period during which the fighter cannot even solicit competing offers.¹⁵⁹ After that period is over, Zuffa has a one-year period during which Zuffa has the option to match any offer received by the Fighter from another promoter. If the fighter receives such an offer, the fighter must "deliver to ZUFFA a written

¹⁵⁸ Deposition of Dana White, Aug. 9, 2017 (hereinafter "White Dep.") at 154:5-8 ("No. We never co-promoted..."). For instance, the UFC has refused to co-promote fights with Bellator. According to Joe Silva, "it's a risk for both sides." Silva Dep. at 215:11-216:18.

¹⁵⁹ See, e.g., ZFL-1382453 at 80 ("Zuffa has a 60-day exclusive negotiating period after expiration of the fighter agreement and thereafter a one-year right to match any third party offers.").

notice of all material terms and conditions of the Offer, including but not limited to the identity of the promotional entity.”¹⁶⁰ After that, Zuffa has fifteen business days in which to match the offer.¹⁶¹ As discussed above, the NBA also has a right to match in its CBA. In the current CBA, if a restricted free agent player receives an offer from a new team, the original team has *three days* to match the offer. However, even the three days was deemed to be too long and in the new CBA, which takes effect during the 2017-18 season, the right-to-match period was reduced to two days.¹⁶² In addition, in the NBA, the right to match does not apply to veteran players, unlike Zuffa’s contracts which apply the right to match to virtually every fighter. In the NFL the right to match clause must be exercised within five days by the original team and in the NHL it must be exercised within seven days. As a result, Zuffa’s right to match clause creates a substantially stronger disincentive for a competing team/promoter to bid on an athlete whose contract is up for renewal. Further, it warrants emphasis that the right to match in the NBA, NFL and NHL applies to a restricted subset of free agents.

78. In addition, Zuffa’s right to match is just one of several lines of defense that prevent fighters from moving to other promoters. As I outline elsewhere, *see* Section III. (above), Zuffa made it a practice to prevent fighters from even getting to the right-to-match period by incentivizing and pressuring fighters to sign new contracts before their last fights

¹⁶⁰ *See, e.g.*, ZFL-0506593.

¹⁶¹ *Id.*

¹⁶² Collective Bargaining Agreement between the National Basketball Association and the National Basketball Players Association, Jan. 19, 2017, available at <http://3c90sm37lsaecdwt32v9qof.wpengine.netdna-cdn.com/wp-content/uploads/2016/02/2017-NBA-NBPA-Collective-Bargaining-Agreement.pdf>.

and by using a variety of tolling provisions and other conduct (*e.g.*, exclusive sponsorships causing fighters to lose sponsors if they move to another promotion). These provisions and practices, combined with the Champion’s Clause, gave fighters – and especially title challengers – overriding incentives to re-sign long-term before the championship bout because if they won, their contract would be automatically renewed anyway.

C. The Effects of Intra-League Competition on Popularity and Profitability

79. Prior to free agency, owners in each of the major team sports argued in the courts, before Congress, and to the media, that the introduction of free agency would sound the death knell to their sport. They claimed that competitive balance among the teams would be destroyed as rich clubs would be able to accumulate all the best players and that profits were either non-existent or exiguous, so the players were not being exploited under the reserve clause system. If salaries went any higher, they claimed, the teams and leagues would go bankrupt. At a press conference in 1967, Paul Richards, the general manager of the Atlanta Braves, referring to the advent of collective bargaining (and the resulting threat to the reserve system) in baseball declared: “This will be end of baseball, as we knew it.”¹⁶³ The owners said similar things so many times over the airwaves that it practically became conventional wisdom. In 1970, an editorial on a New York City radio station typified this viewpoint: “Professional sports is facing a challenge that threatens its existence.... Under the existing system, a baseball player must perform for the club that owns him if he plays at all ... professional sports cannot work without it [the reserve system] or something like it....

¹⁶³ Quoted in Charles Korr, *The End of Baseball as We Knew It*. Urban, Ill: University of Illinois Press, (2002) at 1.

Any player not in favor of the ground rules has no business entering the game.”¹⁶⁴ And during Curt Flood’s challenge to baseball’s reserve clause, Joe Cronin and Chub Feeney, the presidents of the American and National Leagues respectively, asserted that baseball without the reserve clause was an impossibility: “No intelligent person would continue to invest the large capital required ... mutually advantageous trades would become impossible if the players’ consents were required ...[and] the wealthier clubs could sign an unbeatable team of all-stars, totally destroying league competition.”¹⁶⁵

80. Post-1976 experience in each of the leagues has shown the owners’ apocalyptic views to be wrong. As salaries rose, and rose rapidly, owners began to treat their clubs as true businesses, engaging in advertising, marketing, planning, improved community relations, facility upgrades, strategic pricing policies, rationalized scouting and player evaluation, and so on. Rising salaries also motivated players to devote more time to rigorous fitness and training, as well as to exert themselves more fully in competition. The more dynamic players’ market, with players switching teams more readily, created a larger terrain for strategic decision-making for teams’ front offices and engendered greater intrigue for the general public. The game became more interesting to the fans. The result was rapidly growing revenue, more profitability, escalating franchise values, and, in most cases, more competitive balance.

¹⁶⁴ *Id.* at 4-5.

¹⁶⁵ *Id.* at 90. Two team owners, Francis Dale of the Cincinnati Reds and John McHale of the former Montreal Expos, testified at the Flood trial that they would not have invested in Major League Baseball had it not been for the reserve clause and antitrust exemption. *See*, for one, “Owners Say Reserve Clause Reason They Invested in Baseball,” *Chicago Tribune*, June 4, 1970 available at <http://archives.chicagotribune.com/1970/06/04/page/98/article/owners-say-reserve-clause-reason-they-invested-in-baseball>.

81. Consider first the evidence on competitive balance. Although there are many possible metrics to track competitive balance, the one most commonly used is the so-called Noll-Scully index. This index is given by the standard deviation of team win percentages within a league during a particular year divided by the idealized standard deviation of win percentages if the league were perfectly balanced, *i.e.*, each team had the identical level of player talent. Because leagues that play more games (*e.g.*, baseball with 162 regular season games versus football with 16) will be less subject to random fluctuation in win percentages and, hence, have a lower standard deviation, other things equal, it is necessary to adjust for the effect of randomness in outcomes when comparing competitive balance across leagues or within a league over time, as the league grows in size. **Error! Reference source not found.** below depicts the evolution of the Noll-Scully index in various leagues over time. The lower the index, the more balance there is across the teams.

Table 1: Evolution of Competitive Balance

Decade	MLB	NBA	NFL	NHL
1960-1969	2.10	2.90	1.68	2.00
1970-1979	1.90	2.39	1.62	2.64
1980-1989	1.72	2.72	1.52	2.02
1990-1999	1.74	3.08	1.51	1.83
2000-2015	1.82	2.75	1.56	1.68

82. Free agency came to MLB in the late 1970s, to the NBA substantially in the early-1980s, to the NFL and the NHL in the early 1990s. MLB's index dropped steadily from the 1960s to the 1970s to the 1980s, as free agency was introduced. Other factors have since intervened to stabilize the index. The NBA index has gone back and forth with no apparent effect of free agency on competitive balance. Keep in mind that the NBA was the first league to introduce a salary cap (in 1983-84) and that two or three dominant players can have an enormous impact on a basketball game's outcome. In any event, there is no clear evidence that free agency and competitive labor markets have hurt the NBA's competitive balance. The index for the NFL has remained low and stable throughout the period and, again, there is no evidence that more open labor markets have hurt balance in the league. The NHL's free agency was introduced in steps, with most advances coming in the 1990s, a decade when competitive balance increased, as it continued to do in the 21st century. Any team owner predictions of competitive balance perdition from free agency have not come to pass.

83. Similarly, the advent of more open labor markets has not had a deleterious effect on team or league revenues or profits. On the contrary, revenue, profits and franchise values have all skyrocketed since the advent of free agency in each sport. Free agency did bring higher player costs, but it also brought increased urgency to identify and implement the most efficient and successful management practices. Equally important, increased player mobility sparked more intrigue and interest from the public, as offseason hot stove leagues generated speculation and intense discussion among fans. Seasonal sports leagues increasingly began to garner media attention the year round. Viewed statically, higher costs would lead to diminished profitability or loss. Viewed dynamically, revenue growth outpaced cost increases and industry performance metrics in each of the team sports improved.

84. Of course, over time many things changed in the sports industry, and all of the growth cannot be attributed to the competitive pressures brought about by more open labor markets. Yet, the performance improvements in each of the sports were noticeable soon after the introduction of free agency. Consider the early changes in baseball. Total baseball attendance stagnated from 1970 at 28.8 million to 29.8 million in 1975, the year before the arbitrator's decision in Messersmith and McNally, but then jumped to 38.7 million in 1977, the year free agency took hold, and continued to grow handsomely, reaching 55.2 million in 1989.¹⁶⁶ Meanwhile, team revenues went through the roof, rising from \$5.7 million in 1970, to \$9.0 million in 1977, \$20.1 million in 1983 and \$47.7 million

¹⁶⁶ Official Baseball Guide, various years.

in 1989.¹⁶⁷ Reported operating profits grew from \$3.6 million in 1976, to \$6.1 million in 1977, \$10.4 million in 1978 and to \$214.5 million in 1989.¹⁶⁸ All this, after dozens of proclamations over the decades that free agency would kill the sport.

D. The Conditions and Effects of Inter-League Competition

85. As demonstrated above, whenever there have been two elite leagues in each of the established sports, the resulting inter-league competition has led to increases in athlete compensation despite the existence of an intra-league reserve system. Moreover, competition between leagues has been good for fans as well as for players. Indeed, charting the history of the major sports indicates that competition between leagues has led to expanded output. For example, the risk created by the potential creation of the Continental Baseball League in the 1950s led to the first expansion of the number of baseball franchises in MLB in the twentieth century.¹⁶⁹ Similarly, the threat created by the AFL in the 1960s led the NFL to expand into Dallas and Minneapolis-St. Paul. Over the years, more than half of the NFL's 32 franchises were added as a result of competition from rival football leagues and subsequent mergers that ended that competition.¹⁷⁰

86. For a rival league to succeed, among other things, it must be able to pay enough to attract star talent. In order to afford that compensation, it must be able to attract networks, advertisers, merchandizers and fans. But this creates a catch-22, because a rival league cannot attract networks, advertisers, merchandizers and fans if it does not have any

¹⁶⁷ Zimbalist, *Baseball and Billions* at 58.

¹⁶⁸ *Id.* at 64-65.

¹⁶⁹ Weiler at 325.

¹⁷⁰ *Id.* at 326.

star players.¹⁷¹

87. In contrast, the brief experiences of the major league team sports with inter-league competition indicates that it had a positive effect on both the players and the fans, leading to higher compensation, new franchises, and expanded output.

88. In order to compare the effects of Zuffa's conduct to the demonstrated effects of the reserve system in the team sports, it is essential to consider the structural difference between the competition that exists within a league and the competitive landscape faced by Zuffa, which has no intra-league competition for fighters. The above history indicates that in the absence of vigorous inter-league competition for athletes, the opportunity for robust *intra-league* competition always existed, limited only by contractual restraints such as the reserve system. That is, whenever a player was allowed to become a true free agent in one of the professional sports leagues, there was a robust market available to bid on that player's services and reveal the player's true incremental value to the team that needed that player the most. In contrast, in order for Zuffa's challenged conduct to suppress fighter compensation, it needed only to prevent potential rival MMA promoters from gaining a "foothold," leaving little incentive for fighters to endure the hardship of reaching free agency in the first place.¹⁷²

E. History of Restrictive Contracts in Boxing

¹⁷¹ In MMA, over the course of the last two decades, several potential rivals began to put pressure on the UFC. The UFC responded either by buying them out or by ratcheting up the restrictive terms in their fighter contracts and/or intensifying the enforcement of these contracts, so as to prevent these potential rivals from gaining access to top Professional MMA fighters.

¹⁷² *See supra* Section III.

89. Boxing as a sport is athletically more similar to MMA than the sports previously discussed, and the business of boxing also operates more similarly. Boxing events are organized by promoters who set up professional boxing contests pitting two individuals against each other in hand-to-hand combat, governed by a set of rules established by state athletic commissions. As with Professional MMA Fighters, typical boxers' careers are relatively short, and they face enormous risks each time they enter the ring.¹⁷³ Promoters compensate boxers with "purses" in exchange for appearing in bouts.¹⁷⁴ Promoters are also responsible for arranging the details required to put on the event, dealing with the venues, sponsors, and television networks. Boxers are often represented by managers who act as an agent or representative of the boxer, and who negotiate with promoters on behalf of the boxer.¹⁷⁵ Managers are typically compensated by a percentage of the athlete's purse.¹⁷⁶ As with MMA, boxers are separated into weight classes, and then compete with each other to become the champion of their weight class.¹⁷⁷ In boxing there are seventeen different weight classes.¹⁷⁸ However, as discussed further below, unlike in boxing, titles in MMA are promotion specific.

¹⁷³ *Golden Boy Promotions LLC v. Haymon*, No. 15-cv-3378-JFW (MRWx), 2017 U.S. Dist. LEXIS 29782, at *6 (C.D. Cal. Jan. 26, 2017).

¹⁷⁴ Deposition of Leon Margules, July 11, 2017 (hereinafter "Margules Dep.") at 105:16-21.

¹⁷⁵ 15 U.S.C.S. § 6301.

¹⁷⁶ Margules Dep. at 82:21-24.

¹⁷⁷ *Id.* at 83:7-11.

¹⁷⁸ For example, Section 3 of the WBO regulations lays out the seventeen different weight categories. "Regulations of World Championship Contests," World Boxing Organization, Aug. 28, 2013, available at <http://www.wboboxing.com/regulations/>.

90. Boxing contests are also staged as part of a series of matchups, known as a boxing card.¹⁷⁹ Each boxing card includes a main event, which carries the main box-office appeal.¹⁸⁰ Boxers generally seek to be recognized as the champion in their weight class, and such recognition allows the boxer to reap substantial financial rewards because of their public notoriety.¹⁸¹ Also as with MMA, Leon Margules, the President of Warriors Boxing, a boxing promoter, testified that “boxing is a star driven sport so sometimes the biggest promoters tend to be the ones that currently have the stars.”¹⁸²

91. Despite these athletic and business similarities, the current market structure of boxing is quite dissimilar from MMA. Unlike MMA, boxing today has multiple prominent promoters who compete with each other to sign the best boxers, including title-holding championship boxers and contenders for titles, and who can promote PPV matches that attract large audiences. There are at least five different boxing promoters who are prominent enough to promote major championship fights each year, and probably more than ten.¹⁸³ These include at least Top Rank, Golden Boy, DiBella Entertainment, Warriors Boxing, Main Events, TGB Promotions, Star Boxing, Banner Promotions, and Artie

¹⁷⁹ Margules Dep. at 90:3-9.

¹⁸⁰ *Id.* at 91:8-22.

¹⁸¹ *Id.* at 105:4-15 (a boxing prospect’s goal is to “[b]ecome a world champion, to make as much money as they can.... Become a world champion, make himself a marketable product that people want to ... pay to see”).

¹⁸² *Id.* at 19:3-7. Margules also testified that championships are not the only arbiter of fame. Rather, what makes a boxer a star is “his ability to create revenue.” The factors that drive the ability to create revenue are “his ability to sell tickets, create television contracts ... what would make any athlete a star.” *Id.* at 19:11-17.

¹⁸³ *Id.* at 23:9-23.

Pelullo.¹⁸⁴ There are at least twenty boxing promoters in the U.S. today who have promoted nationally televised events, and of those, more than five have promoted at least one Pay-Per-View event.¹⁸⁵ These promoters compete with each other to sign boxing talent.¹⁸⁶ As one court observed “[u]nlike other sports, such as football, baseball, and golf, boxing has not naturally evolved towards having a single entity controlling most or all of the professionally televised events in the sport.”¹⁸⁷

92. Another key difference between boxing and MMA is that boxing has sanctioning bodies that operate independently from promoters.¹⁸⁸ There are four major sanctioning bodies in boxing, the World Boxing Association (“WBA”), World Boxing Council (“WBC”), International Boxing Federation (“IBF”), and World Boxing Organization (“WBO”).¹⁸⁹ Each sanctioning body has its own titles for each weight class, ranks the top boxers in each weight class,¹⁹⁰ and establishes rules governing the awarding, maintaining, and contesting of championship titles. For example, the sanctioning bodies

¹⁸⁴ *Id.* at 16:11-18; 21:20-22:19.

¹⁸⁵ *Id.* at 102:16-104:10. This is the case even though “[t]here are very few fighters that can put on successful Pay-Per-View events. So obviously it would be very important to have one of them.” *Id.* at 114:13-21.

¹⁸⁶ *Id.* at 100:6-10.

¹⁸⁷ *Golden Boy Promotions*, 2017 U.S. Dist. LEXIS 29782, at *37.

¹⁸⁸ Margules Dep. at 99:6-14 (“There’s been corruption, like everything else” but sanctioning bodies are “supposed to be” independent from promoters and managers.).

¹⁸⁹ *Id.* at 95:11-19.

¹⁹⁰ See “Boxing Rankings,” Fightnews.com, available at <http://www.fightnews.com/rankings-2>; Margules Dep. at 95:20-25.

have established rules requiring the champion to defend their title periodically to avoid being stripped of it.¹⁹¹

93. Because of the rules created by sanctioning bodies, promoters who have contracts with different boxers often co-promote fights with each other. For example, sanctioning bodies designate boxers who are the top contenders in a weight division as “mandatory challengers.”¹⁹² Mandatory challengers are supposed to be assured of having a bout against the champion of their division within a specific period of time, regardless of whether the champion and mandatory challenger share the same promotion company.¹⁹³ This forces promoters to agree to co-promote fights or to agree to “lease” a fighter they have under exclusive contract to another promoter in exchange for a payment under a provision of service (POS) agreement, at risk of their champion being stripped of their championship belt.¹⁹⁴ Such co-promotion or POS agreements increase competition for championship-caliber boxer talent,¹⁹⁵ and mean that a successful boxer who is able to become a mandatory

¹⁹¹ Section 5 of the WBO Regulations of World Championship Contests (hereinafter “WBO Regulations”) requires that “Each WBO World Champion except in the Heavyweight Division shall defend his title at intervals not greater than nine (9) months counting from the date of the acquisition thereof or from the last compulsory defense, as the case may be, in a twelve (12) round fight, against the Mandatory Challenger, as determined by the Championship Committee according to these Regulations, unless an exception is made pursuant to these Regulations.” <http://www.wboboxing.com/regulations/>.

¹⁹² Margules Dep. at 84:22-85:16.

¹⁹³ Muhammad Ali Boxing Reform Act, Report of the Committee on Commerce, Science, and Transportation, U.S. Senate, 106th Cong. 1st Sess. (Jun. 21, 1999) (hereinafter “Senate Report”) at 9; WBO Regulations § 6.

¹⁹⁴ Margules Dep. at 85:17-86:13.

¹⁹⁵ As Margules explained, boxers ranked in the top fifteen by one of the major sanctioning organizations are mandatory challengers for the title, and thus by definition championship caliber. *Id.* (“Only ... if they are ranked in the top 15 will they qualify.”).

challenger can be guaranteed a chance to fight for the title without having to sign with the promoter of the current champion. In contrast, in the UFC if a fighter wants a shot at fighting the current champion of a weight class, or even a shot at fighting any top-ranked fighter at all, that fighter needs to sign an exclusive deal with UFC, and then it would be up to the UFC to decide unilaterally whether, and when, to give that fighter that opportunity.¹⁹⁶

94. For championship belt fights co-promoted under a given sanctioning body, promoters and managers usually negotiate how much each side will receive from the fight. However, when the two sides cannot agree, the sanctioning organization often mandates a “purse bid” which allows any registered promoter to submit a bid for how much they are willing to pay the boxers.¹⁹⁷ The promoter with the highest bid then gets to promote the fight, even if that promoter does not have a prior contractual relationship with either of the contestants.¹⁹⁸

95. A recent purse bid for a fight between heavyweight champion Wladimir Klitschko and secondary titlist Alexander Povetkin indicates how the competition generated by this bidding process can dramatically increase boxer compensation. After representatives for each boxer reached an impasse in negotiations over a fight scheduled to take place in August 2013, the WBA ordered a purse bid. Klitschko’s promoter, K2 Promotions, bid \$7.13 million, and Povetkin’s promoter, Sauerland Event, bid \$6,014,444. However, the contest was won by a third Russian promoter, Vladimir Hryunov who bid \$23,333,330,

¹⁹⁶ Hendrick 30(b)(6) Dep. at 68:17-69:15 (“Q. Are you aware, on behalf of Zuffa, of any fighter that has fought for Zuffa that did not sign an exclusive promotional and ancillary rights agreement? A. I’m not.”).

¹⁹⁷ WBO Regulations § 11; Margules Dep. at 86:14-87:11.

¹⁹⁸ Margules Dep. at 87:20-88:8.

dramatically increasing the amount of the purse to be split between Klitschko and Povetkin.¹⁹⁹ As a matter of normal market behavior, I would expect such increases in compensation for the most highly compensated boxers to lead to increased compensation for other boxers as well.²⁰⁰

96. Because independent sanctioning bodies, rather than promoters, decide who has a right to be a contender for a championship bout, boxing promoters have less leverage than Zuffa has to coerce athletes into signing long-term exclusionary contracts in exchange for a shot at a title fight. This reduced structural leverage, in combination with a less concentrated market for boxing promotion, leads to more competition for boxer talent than exists in MMA, where the UFC also effectively acts as the sanctioning organization by awarding its own belts.

97. However, as with the team sports described above, boxing promoters had a long history of using exclusive, long-term promotional contracts,²⁰¹ which practices have over time been eliminated or reduced. Just like the club owners in the team sports used the reserve clause to control athletes, historically, boxing promoters “have utilized contracts with vague or unspecified terms regarding how long the contract will be in effect, thereby

¹⁹⁹ Dan Rafael, “Klitschko camp ‘surprised’ by \$23m purse bid,” ESPN UK, Apr. 25, 2013, available at <http://en.espn.co.uk/boxing/sport/story/204099.html>.

²⁰⁰ *See* Margules Dep. at 121:2-11 (“Q. When boxers are negotiating with promoters over the size of their purse... [d]oes the amount that other public purse amounts that people know about in the industry affect those negotiations? A. Sure. Why wouldn’t they?”).

²⁰¹ Senate Report at 8.

permitting the promoter to control the boxer for virtually the boxer's entire productive career."²⁰²

98. For example, in the 1950s the U.S. Department of Justice brought an anti-trust suit, *United States v. Int'l Boxing Club of NY, Inc.*, against two boxing promoters, James Norris and Arthur Wirtz, who had implemented a conspiracy to monopolize top-level prize fighting in 1949. Their scheme enabled them to gain almost complete control over the promotion of championship boxing matches, by among other strategies: (1) acquiring rival promoters; (2) signing the four championship-contender boxers to two-year exclusive contracts, with options to renew for additional two-year terms; and (3) requiring contenders for a title, as a condition of being afforded an opportunity to engage in a championship contest, to enter into "contingent" exclusive contracts pursuant to which the contender, if he won the contest and thereby became champion, was required to engage in title bouts exclusively under the promotion of defendants for a period of from three to five years.²⁰³ In 1949, even when Norris and Wirtz implemented their plan to monopolize championship boxing, their contracts with the four title contenders guaranteed compensation to the fighters of not less than 25% of gate receipts and broadcast licensing revenue.²⁰⁴

²⁰² Senate Report at 8.

²⁰³ *United States v. Int'l Boxing Club, Inc.*, 150 F. Supp. 397, 400, 412, 417-418 (S.D.N.Y. 1957). There are parallels between these exclusionary provisions and Zuffa's fighter contracts, in particular, the "champion's clause." The goal of each is to ensure that the most valuable fighters cannot become free agents and fight for rival promoters when they are at their peak level of productivity. These similarities are not surprising given that Zuffa's witness explained that provisions of Zuffa's contracts were based on those that were used in boxing. Kirk Hendrick Rule 30(b)(6) Tr. (hereinafter "Hendrick Tr."), V.I. at 72-73.

²⁰⁴ *Int'l Boxing Club, Inc.*, 150 F. Supp. at 412.

99. After determining in 1955 that boxing was not exempt from the nation's antitrust laws, the courts in 1957 issued a final judgment in favor of the government, compelling a breakup of the Norris and Wirtz company and requiring a five-year moratorium on exclusive fighter contracts for both champion and non-champion boxers.²⁰⁵ The fact that boxing's popularity continued to increase during that five-year period indicates that such exclusive contracts were not necessary for the industry's success.²⁰⁶ In 1956, just before the courts enjoined exclusive contracting practices, gross boxing receipts as measured by the Bureau of the Census were \$4.4 million.²⁰⁷ By 1960, gross receipts had increased to \$5.9 million, and by 1963, they had increased to \$7.8 million. In order to demonstrate this increase was not the result of random variation in a given year, I can compare the average gross receipts for the five-year period before and after the moratorium went into effect. The average annual gross receipts during the five years from 1952-1956 (inclusive) before the moratorium went into effect was \$4.6 million per year. The average annual gross receipts

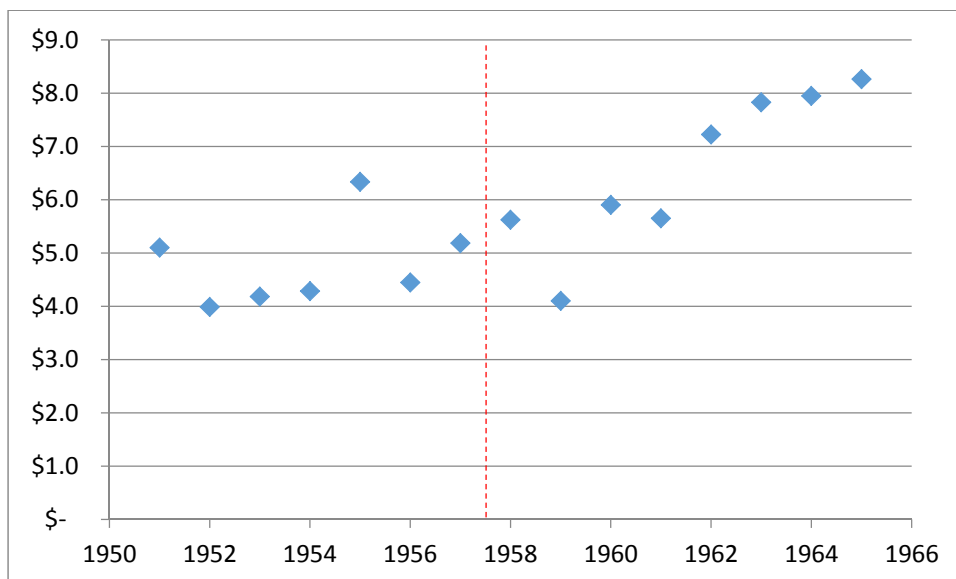
²⁰⁵ See *United States v. Int'l Boxing Club of N.Y., Inc.*, 171 F. Supp. 841, 842 (S.D.N.Y. 1957) ("4. The defendants, and each of them, are restrained and enjoined from entering into, directly or indirectly, any contract, agreement, or understanding, which provides, in terms or in effect, that a boxer shall not engage in a professional boxing contest for any person other than the defendants, or any of them. Provided, however, that nothing in this Section Four (4) shall be construed to prevent the defendants, or any of them, from entering into a contract with a professional boxer providing for the promotion of a single professional boxing contest."); *Int'l Boxing Club of N. Y., Inc. v. United States*, 358 U.S. 242 (1959).

²⁰⁶ Indeed, the use of such contracts had waned even before the Supreme Court issued its opinion in 1959. *Int'l Boxing Club of N.Y.*, 358 U.S. at 254 ("At the time of the final decree [in 1957] the Joe Louis agreements had elapsed; the exclusive-contract practice had been at least temporarily abandoned....").

²⁰⁷ Bureau of the Census. "Participation in Selected Recreational Activities: 1896 to 1970", Bicentennial Edition: Historical Statistics of the United States, Colonial Times to 1970, Part 1, U.S. Department of Commerce, available at <https://www.census.gov/history/pdf/1914-1948baseballattendance.pdf>.

during the five years from 1957-1961 (inclusive) after the moratorium went into effect was \$5.3 million per year, representing a 14% increase. The annual gross receipts as reported by the Bureau of the Census are shown in Figure 1, below.²⁰⁸

Figure 1: Boxing Gross Receipts (Millions)



Source: <https://www.census.gov/history/pdf/1914-1948baseballattendance.pdf>.

100. In the decades after the moratorium on exclusive contracts expired, corrupt and exclusionary practices once again came to permeate the boxing industry. One famous example is illustrated by Don King, who dominated boxing promotion for many decades. King signed an exclusive contract with boxer James “Buster” Douglas, which provided that the exclusive term would be automatically extended in the event the boxer was recognized

²⁰⁸ Part of the 1957 District Court decision was stayed, but the section forbidding exclusive contracts for five years was implemented. It is also noteworthy that the growth in the industry after 1957 occurred despite the ongoing corruption and dubious practices within boxing as well as the frequent Congressional hearings on the troubles in the industry. *See, e.g.*, Edmund Edmonds & William Manz, “Congress and Boxing: A Legislative History 1960-2003,” William S. Hein & Co., Inc., Buffalo, New York, (2005).

as world champion, “to cover the entire period Douglas is world champion and a period of two years following” loss of the title.²⁰⁹ It also once again became common practice in the boxing industry for a promoter who had successful boxers under contract to require that any challenger who sought to fight one of these boxers to sign a long-term agreement with the promoter similar to the contracts at issue in *International Boxing Club*.²¹⁰ Such contracts are often referred to as “conditional option contracts.”²¹¹

101. There have been several attempts by state regulators to curb the some of these abuses. For example, for a period of time covering at least the 1990s, the Nevada State Athletic Commission had implemented a rule forbidding exclusive boxing contracts.²¹² However, the ease with which boxing promoters could evade state regulation by relocating boxing matches to states without such regulation led to repeated calls for uniform federal regulation. Despite numerous attempts, such regulation of exclusionary boxing contracts did not succeed on the federal level until the Muhammad Ali Boxing Reform Act (the “Ali Act”) was enacted in 2000.

²⁰⁹ Douglas went on to defeat the defending heavyweight champion Mike Tyson in 1990, leading to litigation over his contract. *Don King Prods., Inc. v. Douglas*, 742 F. Supp. 741, 748 (S.D.N.Y. 1990).

²¹⁰ Senator John McCain and Ken Nahigian, “Symposium Sports and the Law: A Fighting Chance for Professional Boxing,” 15 *Stan. L. & Pol’y Rev.* 7, 20 (2004).

²¹¹ *Id.*

²¹² *Don King Prods., Inc.*, 742 F. Supp. at 748, 759 (referencing Section 467.112(3) of the Nevada State Athletic Commission's Rules and Regulations); Statement of Patrick English, Hearing Before the Committee on Commerce, Science, and Transportation, U.S. Senate, 105th Cong. 2nd Sess. (Mar. 24, 1998) (*Business Practices in the Professional Boxing Industry*) at 23 (“Nevada’s regulations would appear to state that multibout contracts are forbidden”).

102. Among other things, the Ali Act is aimed at protecting boxers from “coercive” contract provisions, which are defined to include “a contract provision that grants any rights between a boxer and a promoter ... if the boxer is required to grant such rights ... as a condition precedent to the boxer’s participation in a professional boxing match against another boxer who is under contract to the promoter.”²¹³ Under the Ali Act, such coercive provisions “shall be considered to be in restraint of trade, contrary to public policy, and unenforceable against any boxer” to the extent it is “for a period greater than 12 months.”²¹⁴

103. While commentators suggest that the Ali Act has led to limited reforms in actual industry practice due to weak enforcement mechanisms,²¹⁵ the presence of multiple top-level promoters and the mandatory challenger and purse bid rules have allowed champion-caliber boxers to participate in the top level of competition in the sport without being coerced into exclusive contracts, and to experience real free agency in the market for their services.²¹⁶ The result is that boxers commonly have received 60% or more of the

²¹³ Muhammad Ali Boxing Reform Act, 2000 Enacted H.R. 1832, 106 Enacted H.R. 1832, 114 Stat. 321, § 10(a)(1)(B).

²¹⁴ *Id.*

²¹⁵ McCain and Nahigian at 22 (“Overall, federal, state, and tribal enforcement of the PBSA and the Ali Act remain woefully inadequate.”).

²¹⁶ For example, the testimony of Patrick C. English, Counsel for boxing promoter, Main Events explains: “it is the major ratings organizations which have promulgated the most important single rule in boxing. That rule, uniform among the three major organizations, is the rule which requires that a champion engage in mandatory bouts against the leading available contenders at defined periods. It is this rule which can prevent champions (and their promoters) from avoiding worthy contenders in favor of fighting a series of “bums.” It is this rule, along with a corollary ‘purse bid’ rule, which allows worthy contenders the opportunity to fight for the title without signing away future rights. I represented Evander Holyfield in court when he successfully enforced his right, as mandatory contender, to fight James ‘Buster’ Douglas which resulted in his first reign as undisputed champion. I represented Pernell Whitaker in litigation where he enforced his right to fight for his first title as the leading contender. I represented Lennox Lewis

revenue generated by their fights in recent years.²¹⁷ At the same time, according to Nielsen, between 2010 and 2015 the amount of televised boxing output has expanded significantly, from 30,379 minutes of programming to 70,470 minutes of programming.²¹⁸

V. ESTIMATION OF DAMAGES

104. One way to assess the damages caused by the challenged conduct is to identify a benchmark for what fighter compensation would have been in a but-for world where the challenged conduct did not exist. In this section, I evaluate the appropriateness of a variety of other sports as competitive benchmarks and calculate damages to the Bout class in the aggregate by using the selected sports as benchmarks of the level of fighter compensation that would have prevailed in the but-for world.

105. My basic methodology is as follows. For each sport that I use as a benchmark, I apply the athlete compensation share of revenue to the reported Zuffa bout revenues to arrive at what Zuffa's fighters would have been paid if they received the same share as the athletes in these other sports where more competitive labor markets prevail. I then take the mean of these but-for compensation levels from the different sports and compare it to the total event-related fighter compensation paid out to Zuffa's athletes. The difference is the basis for my estimate of the total amount members of the bout class were underpaid due to the challenged conduct.

when he enforced his right to fight for the title as the mandatory contender. All managed, through the mandatory process, not only to gain titles but to avoid entering into contracts resulting in unwanted promotional ties.” *Business Practices in the Professional Boxing Industry*, S. Hrg. 105-712, Mar, 24, 1998 (105th Cong.) at 30.

²¹⁷ See *infra*, Section V. B.i.

²¹⁸ DB-ZUFFA-0007187 at 216.

106. The reason I compare the player compensation share rather than the actual pay levels is to control for the state of the industry and differences between the popularity and thus demand for each benchmark as compared to MMA. Obviously, if the popularity of a benchmark sport is much higher than MMA, one would expect the athletes to be better compensated for that reason, apart from any differences in the competitiveness in the labor market of the benchmark. However, because demand for a sport is reflected in the revenue generated, one would expect the ratio of athlete compensation to revenue to reflect instead the competitive characteristics of the sport, controlling for any differences in demand or popularity. As such, the proper comparison, which controls for the varying amounts of revenue earned by, *e.g.*, boxing matches as compared to MMA matches, is the share of revenue that is paid to the fighters. Indeed, Zuffa itself regularly used fighter compensation as a percent of event revenue as a financial metric.²¹⁹

A. Zuffa Benchmarks its Athlete Compensation to Other Sports.

107. One piece of evidence demonstrating the appropriateness of benchmarking fighter compensation to athlete compensation in other sports is that Zuffa itself, and those acting on its behalf, have repeatedly done so. For example, in preparation for Lorenzo Fertitta's interview with the *New York Times*, Zuffa prepared talking points comparing UFC fighter compensation to "Other League Payroll Comps" including MLS, NHL, NBA, and MLB.²²⁰ Similarly, Moody's 2014 draft Credit Opinion for Zuffa indicates that "[v]ariable fighter costs help drive operating flexibility and support higher margins relative to most

²¹⁹ See ZFL-2277058 at 69 (graphing "Fighter Compensation as % of Event Revenue" and "Fighter Compensation as % of Event EBITDA" for 2009 and 2010).

²²⁰ ZFL-1425511 at 16-17; ZFL-1070290 at 327.

major sports.”²²¹ A text sent to John Mulkey on November 3, 2009 for approval for a prior Moody’s Credit Opinion states: “much of Zuffa’s credit strength is due to the variability of fighter costs, and those costs being lower as a percentage of revenues than the player costs in other long established major sports leagues (NFL, MLB, NBA, NHL, and Premier League). These costs, often fixed are the single most significant cost for other teams/leagues....”²²²

108. In addition, in or around 2013, Zuffa commissioned a study by Mercer (which provides human resources consulting services, among others) to study fighter pay in the UFC. A March 2014 draft presentation makes clear that the methodology involved “defin[ing] a comparator group of sports organizations in order to provide an external basis for understand[ing] how UFC’s fighter pay structure and practices compares to similar companies.”²²³ Mercer’s proposed “Fighter Pay Assessment Methodology” included determining the “ratio of annual [athlete] earnings (and related expenses) relative to the annual revenue amounts provided by UFC and comparator organizations[.]”²²⁴ At the time, Mercer’s proposed comparator group included NASCAR, Professional Golfers’ Association (PGA), Professional Bull Riders (PBR), Major League Soccer (MLS), National Football League (NFL), National Basketball Association (NBA), Major League Baseball (MLB), National Hockey League (NHL), and the English Premier League (EPL).²²⁵ A later draft of

²²¹ ZFL-1081154 at 54.

²²² ZUF-00113209 at 11.

²²³ ZFL-0557588 at 91.

²²⁴ ZFL-0557588 at 95. The presentation also noted that “revenue figures will be calibrated across comparator groups to provide a consistent measure with UFC.” *Id.*

²²⁵ ZFL-0557588 at 92. The presentation also considered Boxing as a potential comparator but excluded it due to “limited financial data available.” *Id.* at 93.

the Mercer report from September 3, 2014 repeated the same approach and standards.²²⁶

WME-IMG engaged in a similar benchmarking analysis comparing Zuffa's fighter compensation as a share of revenue to a series of benchmark sports.²²⁷ These documents indicate that Zuffa and its consultants clearly saw other sports leagues to be relevant comparators for the purposes of evaluating the level and structure of UFC's fighter compensation.

B. Evaluation of Potential Benchmarks for UFC Fighter Share of Revenue

109. In this section I evaluate a number of competitive benchmarks to determine what characteristics make the player compensation share of revenues in those sports an aggressive or conservative estimate of but-for fighter compensation share in the UFC. I evaluate MLB, the NFL, the NBA, the NHL, Premier European Soccer Leagues, and Boxing as benchmarks.

i. Boxing

110. The similarity of the MMA industry to the boxing industry suggests that the labor market in boxing would be a reasonable benchmark.²²⁸ As discussed above, unlike MMA, boxing has multiple major promoters who compete with each other to sign the best prize fighters.²²⁹ It also has a separation of promoters from sanctioning bodies, which

²²⁶ ZFL-2700585, *passim*.

²²⁷ WME_Zuffa_00005368.

²²⁸ Indeed, Zuffa itself has used analogies to boxing in its negotiations with fighters. ZFL-0411039 at 45-46 (Jeremy Lappen Deposition, Feb. 28, 2017, Exh. 203) ("Continuing the boxing analogy, all the major sanctioning organizations' championship rules contain provisions which permit the sanctioning bodies to order a rematch in situations where a decision was close and controversial or where the bout would be one of major importance in the boxing world.").

²²⁹ *See supra* section IV. E.

bodies impose rules such as fights for mandatory challenges and purse bids to create competition for the right to promote championship matches. These circumstances are clearly more competitive than those in MMA, where I understand that Plaintiffs allege that the UFC is the dominant promoter of Professional MMA events, and where the UFC also effectively acts as the sanctioning organization by awarding its own belts. Further, the Ali Act, which applies to boxing but not to MMA, forbids many of the challenged contracting practices used by Zuffa. Other than having a more competitive market, boxing is otherwise structurally similar to MMA.

111. In connection with boxing promoter Golden Boy's lawsuit against Al Haymon, data on Golden Boy's total revenue and fighter expenses for 2014, 2015, and the first half of 2016 was released publicly. It is shown in Table 2. I use these numbers to calculate boxers' share of revenue for 2014, 2015 and the first half of 2016. For prior years, I assume that the boxer share of revenue was the average of these two and a half years for which data is available, which comes to 62.2% on average.

Table 2
Golden Boy Revenues and Expenses
(Deetz Report, 2014 – June 30, 2016)

Period	Total Revenue	Fighter Expenses	Other Expenses	Income from Boxing Operations	Fighter Share of Revenue
2014	\$140,448,787	\$89,344,118	\$42,274,826	\$8,829,843	63.6%
2015	\$46,323,840	\$28,864,172	\$12,768,480	\$4,691,187	62.3%
2016 (1st Half)	\$32,604,518	\$18,206,224	\$11,597,665	\$28,000,629	55.8%
Total	\$219,377,145	\$136,414,514	\$66,640,971	\$41,521,659	62.2%

112. The reasonableness of using these numbers as a representation of boxing as a whole is indicated by other public evidence suggesting that other major boxing promoters pay, if anything, a higher share of their revenue to their fighters than does Golden Boy. In an interview with MaxBoxing.com, Bob Arum, the pre-eminent boxing promoter and founder and CEO of Top Rank, stated that “because of the monopoly the UFC has, they pay their fighters maybe 20-percent of the proceeds that come in on a UFC fight and we pay fighters over 80-percent.”²³⁰ Similarly, Lou DiBella, a New York-based boxing promoter who spent more than a decade as a programming executive running the boxing division of HBO Sports, told ESPN’s *Outside the Lines* in 2012 that some boxers received 85 percent of the event revenue from the promoter, and went on to say that a 70 percent share was

²³⁰ Jesse Holland, “Bob Arum fires back at Dana White: ‘UFC fighters get paid nothing’,” MMA Mania, Sept. 23, 2011, available at <http://www.mmamania.com/2011/9/23/2444228/bob-arum-fires-back-at-dana-white-ufc-fighters-get-paid-nothing>.

“completely common.”²³¹ Income statements provided by boxing promoter Leon Margules from 2015 and 2016 show total revenue from those years at \$31.387 million and total compensation to fighters at \$20.524 million, which represents a 65.4 percent share to fighters.²³² Compared to these estimates, the 62.2 percent fighter share of revenue from Golden Boy’s financial statements appears to represent a conservative estimate of the industry as a whole.

113. Using boxing as a benchmark for the fighter share of revenue is also likely to be conservative because a boxing promoter is more likely to cover a boxer’s auxiliary costs, such as training, than is Zuffa and, thus, one would expect the athlete’s share in event revenue to be lower than in the UFC if the labor markets in top-level boxing and UFC were commensurately competitive.²³³

ii. **Professional Team Sports: NFL, MLB, NBA, NHL**

114. U.S. professional team sports have had competition among the teams for players since the introduction of free agency, and, hence, despite the existence of various labor market restraints discussed above, they provide a reasonable benchmark for athlete compensation under circumstances of more open competition. Indeed, to the extent that competition among teams for talent is constrained by restrictions on free agency (covered by

²³¹ John Barr and Josh Gross, “UFC fighters say low pay simply brutal,” ESPN, Jan. 15, 2012, available at http://www.espn.com/espn/otl/story/_/page/UFCpay/ufc-fighters-say-low-pay-most-painful-hit-all.

²³² Margules Dep. Exh. 3 (WAR-000009).

²³³ As discussed above, I am assuming that Plaintiffs will show that but for the challenged conduct, Zuffa would face additional competition for fighter talent on par with the levels of structural competition present in my respective selected benchmarks. Given my discussion above, and my understanding of the MMA industry (as well as the competitive environments of other sports) and Zuffa’s practices in particular, I believe this assumption to be reasonable.

the non-statutory labor exemption since they are collectively bargained), that makes these sports conservative as benchmarks.²³⁴ Of course, the MLB, NHL, NFL and NBA have been around for several decades and are more developed than UFC, with much higher annual revenues. Thus, I am not comparing the absolute salaries of professional athletes in the U.S. team sports with those of fighters in the UFC. Comparing the *share* of revenue that is paid out in the team sports with that in the UFC removes the problem that may have been associated with using absolute salaries.

115. For each of the four leagues, I collected data on the player share of revenue from the collective bargaining agreements in each sport, publicly available sources, and conversations with league and union executives.²³⁵

116. Zuffa executives have acknowledged in the past the appropriateness of comparing the share of revenues going to athletes in the UFC with professional team sports. When asked what percentage of UFC's revenue goes to its fighters during a 2012 interview on ESPN's *Outside the Lines*, Zuffa LLC's CEO and co-owner Lorenzo Fertitta stated: "not far off what the other sports leagues pay as a percentage of revenue."²³⁶ When reminded

²³⁴ For example, as discussed above, the player share of revenue in the NFL, NHL and NBA all reflect the existence of built-in competitive restraints in the form of salary caps, luxury taxes, revenue sharing and debt rules. Were these markets subject to open and unconstrained competition, the player shares would be higher and, thus, the estimated damages would be higher.

²³⁵ The Statistics Portal, available at statista.com; data from NBA and NHL players' associations; <http://stats.nhlnumbers.com/teams?year=>; *Forbes* annual sport valuation issues; Spotrac.com; Rodney Fort's Sports Economics, available at <https://sites.google.com/site/rodswebpages/codes>.

²³⁶ Barr and Gross, "UFC fighters say low pay simply brutal". Echoing Fertitta's boast, during a 2016 interview Dana White was asked about the money-making opportunities for UFC fighters. He replied: "The opportunities today – are just like playing in the NFL, or playing in the NBA or

that the player share in the NBA, NFL, NHL and MLB is around 50 percent, Fertitta replied: “[It’s] in that neighborhood, yeah.”²³⁷ As is clear from the analysis below, Fertitta’s comment is simply wrong.²³⁸

117. In his March 23, 2017 deposition in this case, Lorenzo Fertitta appears to walk back his earlier claim that UFC fighters’ compensation as a share of revenue is comparable to that in the U.S. professional team sports. In his deposition, Mr. Fertitta offered an explanation of why the Zuffa share is lower: “it really is completely unfair for anybody to be comparing UFC’s financials to that of the NFL or Major League Baseball or the NBA. It really [is] not a comparison, and really, a more comparable sport league would have been something more like Major League Soccer [Regarding the NFL] this isn’t a very good comparison because the NFL generates roughly \$12 or \$13 billion a year, and at the time, we were probably generating \$4-500 million a year.”²³⁹

118. However, the fact that revenue varies between these leagues and the UFC does not undermine the validity of the comparison. First, as I explain above, by comparing athlete compensation as a *share* of league revenue, I am controlling for the fact that different

Major League Baseball.... Trust me when I tell you, these guys are making a lot of money. We are on par with other sports leagues out there.” Anton Tabuena, “White defends UFC pay: Fighters make a lot of money, we’re on par with other sports,” Bloody Elbow, June 23, 2016, available at <https://www.bloodyelbow.com/2016/6/23/12011036/white-defends-ufc-pay-fighters-make-a-lot-of-money-were-on-par-with>.

²³⁷ Barr and Gross.

²³⁸ As the data in Tables 3 through 6 make clear, the share of fighter compensation in UFC revenue is nowhere near 50 percent; rather, depending on the year and the measurement employed, it varies between 14 percent and 18 percent. That is further corroborated by internal Zuffa analysis. *See infra*, n 242.

²³⁹ Fertitta Dep. at 199-200.

leagues generate different revenues at different levels of maturity and popularity. Second, an evaluation of the relationship between league revenue and player share proves that there is no basis for the claim that leagues with less revenue pay a lower *share* of that revenue to their athletes.

Table 3

NFL and MLB Player Shares in Revenue²⁴⁰

Year	NFL Revenues (billions \$)	NFL Player Share	MLB Revenues (billions \$)	MLB Player Share
1993-94	1.745	68.5%	1.209	62.7%
1996-97	2.235	61.4%	2.067	58.7%
1999-00	3.423	59.6%	3.329	56.5%
2002-03	4.944	56.1%	3.728	63.1%
2005-06	6.160	55.1%	5.206	50.6%

119. Table 3 shows both the league revenues and player share for the NFL and MLB over a variety of years. Table 3 indicates that, if anything, there is an inverse relationship between league revenue and player compensation share of revenue. As NFL revenues grew between 1993-94 and 2005-06, the player share decreased steadily from 68.5 percent to 55.1 percent, and this trend has continued with NFL revenues around \$14 billion and the player share around 47 percent in 2016-17. The correlation coefficient between NFL revenues and player share over the interval in Table 3 is a statistically robust $-.901$, showing an *inverse* relationship. The pattern in baseball is very similar with a correlation coefficient of $-.706$, although the major league players' share has steadied over the last decade as revenues have grown. While details for these years are not publicly available for

²⁴⁰ John Vrooman, "The Economic Structure of the NFL," in K.G. Quinn (ed.), *The Economics of the National Football League*, Springer (2012) at 23. Andrew Zimbalist, "Reflections on Salary Shares and Salary Caps," *Journal of Sports Economics* 11:1 (February 2010), at 22-24.

the NBA, NBA player share in 2000-01 was 65 percent of Basketball Related Income, while it was approximately 51 percent in 2015-16. The pattern in all three leagues is exactly the opposite of that claimed by Mr. Fertitta. What this analysis indicates, in conjunction with the discussion above about the history of competition in professional team sports, is that the major determinant of how much of the revenue pie goes to athletes versus owners is not the absolute size of the sport, but rather the amount of competition among owners over the athletes' services. The more that owners are able to limit competition—through contractual restrictions on free agency or by eliminating competition from competing leagues—the more athlete compensation can be suppressed.

120. The four major team sports leagues in the United States also provide a conservative benchmark because the owners of U.S. team sports incur many expenses that are not incurred by the owners of the UFC. In the UFC, each fighter is treated as an independent contractor. For example, the 2013 Promotion and Ancillary Rights Agreement of Ronda Rousey (one of the most popular UFC athletes) states: "It is intended that Fighter shall remain an independent contractor, responsible for his [sic] own actions, expenses and any local, state, federal or international taxes, including, but not limited to, the engagement, discharge, benefits and costs of all of Fighter's Affiliates, and training facilities, equipment, professional memberships, sanctioning fees, medical expenses, social security taxes, Federal Insurance Contributions Act (FICA) taxes, and Federal Unemployment Tax Act (FUTA) taxes."²⁴¹ In contrast, the four major team sports leagues treat their athletes as employees, paying for player training, and incurring higher costs for player transportation, lodging and

²⁴¹ ZFL-0186162; Sean Shelby Deposition, Apr. 12, 2017, (hereinafter "Shelby Dep.") at 130:20-24 (UFC generally does not pay for fighters' training costs).

meals, stadium operations and, sometimes, stadium construction and community relations. These substantial overhead costs would lead one to expect that, if anything, team sports would pay out a lower share of revenues in player compensation, all other things equal.

iii. **European Soccer**

121. European soccer provides a useful benchmark because in addition to competition among teams for talent, there is also competition between *leagues* as well. The league structure of European soccer is different than the closed team sports leagues in the United States. Each country has a hierarchy of leagues and teams can be promoted to higher leagues or demoted to lower leagues, depending on the performance in the final league standings. In part because of this strict punishment/reward system, competition for players tends to be strong among teams in a given league, but also among teams in leagues across all of Europe. More recently, the European soccer leagues have introduced “Financial Fair Play” rules which penalize teams that run consecutive financial deficits and this has blunted the competition over players somewhat. Nonetheless, competitive labor markets, albeit restrained, continue to exist. The problem with using the European soccer leagues as a damages benchmark is that the availability data on salary share of players presents some ambiguities that are discussed below. Accordingly, the data on player share in the European soccer leagues is presented as corroborative evidence rather than to calculate damages.

122. I was able to obtain data for European soccer leagues from Deloitte’s *Annual Review of Football Finances, 2016*. The report provides data for the top division of eleven European soccer leagues during 2014-15. The compensation share in total revenue is reported at 62.75 percent. However, the compensation share data reported by Deloitte is for the entire franchise payroll, not just the players. I spoke with the director of the Deloitte

sports group as well as with some club owners and they estimated that the players account for approximately 80 percent of total payroll. Thus, multiplying the reported compensation share by 0.8 yields an estimated player share of 50.2 percent. Because this share is simply an estimate, I do not include it in my damages analysis. However, it indicates the reasonableness of the other benchmarks suggesting that in the but-for world, UFC athletes would have been compensated with at least 50% of revenue.

C. Damages Calculation and Results

123. Below, I calculate annual damages to the bout class by comparing UFC athlete share of event-based revenue to the average athlete share of revenue in the selected benchmarks discussed above: the NFL, MLB, NBA, NHL, and boxing. For those leagues whose competitive seasons run between two calendar years, the year identified is the fiscal year. Hence, the 2014-15 NBA season corresponds to fiscal year 2015 and is represented as 2015. My source for Zuffa's revenues and fighter compensation are Zuffa's annual financial statements.²⁴²

²⁴² See Zuffa's Consolidated P&L Statements from 2001-2016: ZFL-1674096, ZFL-1053223, ZFL-1472224, ZFL-1381761, ZFL-1514712, ZFL-1514713, ZFL-1514769, ZFL-1514770, ZFL-1514804, ZFL-1514836, ZFL-1514837, ZFL-1514870, ZFL-1514900, ZFL-1514901, ZFL-1514933, ZFL-1514944, ZFL-1514966, ZFL-2764800, ZFL-2764798, ZFL-2764799, and ZFL-2764797. Internal Zuffa analyses indicate my calculation of the fighter share of revenue at Zuffa is accurate. For example, in an internal email from Tara Connell at Zuffa responding to the ESPN Outside the Lines piece discussed above, in which Rob Maysey claimed he had estimated that Fighter compensation was 5 percent of revenue, she estimated that it was instead 14 percent for Zuffa total events in 2011, and 16% for 2005 to 2011 combined. ZFL-1021391. I estimate 17.4 percent for 2011, which indicates that my estimates are if anything conservative compared to Zuffa's internal estimates. Similarly, a Deutsche Bank presentation on Zuffa estimates total athlete costs as a percent of revenue to be 16 percent in 2012, 18 percent in 2013, 16 percent in 2014, and 19 percent in 2015. DB-ZUFFA-00007290 at 349.

124. Note that the shares in the NFL, NHL and NBA are shares of “defined revenue.” Each league defines revenue a little differently in their collective bargaining agreements. The differences relate to the treatment of related party transactions and the partial deduction of expenses for certain activities, such as stadium construction or revenue generated by events other than the games themselves. MLB shares are based on total league-wide revenue.²⁴³ I consider bout or event compensation to be comprised of the following payments in Zuffa’s annual income statements: fighter purse, fighter bonus, fighter LOA, fighter sponsorship-event, fighter compensation, athlete outfitting compensation, and other fighter costs-event.

125. Bout class damages are based on Table 4 and Table 5. Table 4 contains Zuffa’s *event-based* revenue, and calculates fighter share of that revenue based on fighters’ event-based compensation.²⁴⁴ Table 5 calculates the but-for amount that bout class members would have been paid if they had received the same share of Zuffa’s event-based revenue as the share received by athletes in my selected benchmarks, and finally the mean calculated by averaging the compensation share across all of the benchmarks.

126. Using the mean player compensation share from all of these benchmarks yields bout class damages from December 16, 2010 through December 31, 2016 of \$981.8 million. I will update the damages as appropriate in advance of trial to account for the

²⁴³ Note that some academic studies have estimated player shares of revenue in MLB, the NFL, the NBA and the NHL to be considerably higher than the shares I am using in the report. *See*, for instance, John Twomey and James Monks, “Monopsony and Salary Suppression: The Case of Major League Soccer in the United States,” *American Economist* 56, no. 1 (Spring 2011) where the estimated player shares are reported as between 52 percent and 59 percent.

²⁴⁴ Event-based revenue includes gate sales, live or taped television, pay-per-view, video-on-demand, UFC Fight Pass, and sponsorship and advertising revenue.

passage of time, and thus accumulation of additional damages. Table 6 summarizes the total damages by year.

TABLE 4 *Event Basis*

<i>Year</i>	<i>Zuffa Reported Event Revenue</i>	<i>Event Fighter Compensation</i>	<i>Fighter Share in Event Revenue</i>	<i>But-for Compensation Share</i>					
				<i>NFL</i>	<i>NHL</i>	<i>NBA</i>	<i>MLB</i>	<i>Boxing</i>	<i>Mean</i>
2010*	\$20,305,394	\$3,094,374	15.2%	49.5%	56.2%	54.0%	55.1%	62.2%	55.4%
2011	\$408,911,681	\$74,545,647	18.2%	49.5%	55.2%	54.0%	56.7%	62.2%	55.5%
2012	\$401,501,671	\$65,170,816	16.2%	51.5%	52.8%	51.2%	53.8%	62.2%	54.3%
2013	\$482,189,560	\$86,136,490	17.9%	49.2%	52.8%	47.0%	53.2%	62.2%	52.9%
2014	\$412,923,026	\$66,574,297	16.1%	46.4%	52.6%	47.1%	55.4%	62.2%	52.7%
2015	\$490,465,381	\$104,903,030	21.4%	45.8%	51.4%	47.4%	52.3%	62.2%	51.8%
2016	\$666,060,145	\$148,013,103	22.2%	47.3%	51.8%	47.8%	51.5%	62.2%	52.1%

TABLE 5 *Event Basis*

<i>Year</i>	<i>Zuffa Reported Event Revenue</i>	<i>Event Fighter Compensation</i>	<i>Fighter Share in Event Revenue</i>	<i>Bout Class Damages (But-for Compensation minus Actual Compensation)</i>					
				<i>NFL</i>	<i>NHL</i>	<i>NBA</i>	<i>MLB</i>	<i>Boxing</i>	<i>Mean</i>
2010*	\$20,305,394	\$3,094,374	15.2%	\$6,956,797	\$8,317,258	\$7,870,539	\$8,098,042	\$9,535,582	\$8,155,644
2011	\$408,911,681	\$74,545,647	18.2%	\$127,865,635	\$151,173,601	\$146,266,661	\$157,388,067	\$179,797,419	\$152,498,276
2012	\$401,501,671	\$65,170,816	16.2%	\$141,602,544	\$146,822,066	\$140,197,288	\$150,922,325	\$184,563,223	\$152,821,489
2013	\$482,189,560	\$86,136,490	17.9%	\$151,100,773	\$168,459,597	\$140,299,727	\$170,315,415	\$213,785,416	\$168,792,186
2014	\$412,923,026	\$66,574,297	16.1%	\$125,021,987	\$150,623,215	\$127,871,156	\$162,196,735	\$190,263,825	\$151,195,383
2015	\$490,465,381	\$104,903,030	21.4%	\$119,730,114	\$147,196,175	\$127,528,514	\$151,610,364	\$200,166,436	\$149,246,321
2016	\$666,060,145	\$148,013,103	22.2%	\$167,033,345	\$197,006,052	\$170,363,646	\$195,007,871	\$266,276,307	\$199,137,444
Total									\$981,846,743

* 2010 data refers to Dec 16 - Dec 31 only

Sources for NHL, NBA, NFL : Forbes, various issues; statista.com; data from NBA and NHL players' associations; <http://stats.nhlnumbers.com/teams?year=>

Sources for MLB: Forbes annual baseball valuation issues; Spotrac.com; Maury Brown, The Business of Baseball

Notes: I have reduced the players' share by three percentage points in the NBA to account for probable discrepancy between BRI and total league revenues.

MLB figures are based on the spotrac figures approximately LRD payrolls which exclude benefits. To include benefits

I added \$6.66 million per team and grew that at 6 percent per annum, roughly the growth rate in MLB salaries

over this period. These numbers do not include minor league player compensation which are paid by major league team owners, but they do represent the payroll of the 40 players on the major league roster.

TABLE 6 **SUMMARY OF DAMAGES**

Year	Bout Class Damages
2010*	\$8,155,644
2011	\$152,498,276
2012	\$152,821,489
2013	\$168,792,186
2014	\$151,195,383
2015	\$149,246,321
2016	\$199,137,444
Period Total	\$981,846,743

D. My Selected Benchmarks Are, If Anything, Conservative

127. My analysis of fighter compensation includes “other fighter costs – event.” I conservatively choose to include this category because Zuffa did not sufficiently clarify what part of these costs constitute fighter compensation and what part are unrelated to fighter compensation. After seeking clarification, via Plaintiffs’ counsel, Zuffa replied that “other fighter costs” are “fighter background checks, gloves, TUF option contracts, visas, TUF coaches’ compensation (monetary or nonmonetary), gifts for fighters” and offered examples of “other fighter costs” as “fighter supplies, fighter appearance fees.”²⁴⁵ It seems apparent that the bulk of the “other fighter costs” do not constitute fighter compensation. Nonetheless, because I did not have enough information to apportion these expenses between compensation and non-compensation, in order to be conservative, I included all “other fighter costs” as fighter compensation. “Other fighter costs” amounted to \$3.16 million in 2015 or 2.94 percent of total compensation.

²⁴⁵ July 17, 2017 letter from counsel at Boies, Schiller & Flexner to Daniel Silverman.

128. Similarly, I include “athlete outfitting compensation” as bout-related pay even though it is arguable that some or all of it is really licensing or identity compensation. In this treatment, I am also being conservative.

129. I anticipate that one objection Zuffa will make to my benchmark analysis is to claim that comparing their athlete compensation share of revenues to other sports is comparing “apples to oranges” since Zuffa maintains that because they do their own television production, their non-player costs are exceptionally high.²⁴⁶ This objection is unfounded.

130. First, the appropriate and conservative nature of my yardsticks is corroborated by the fighter share of revenue paid out by other MMA promotions who have attempted to compete with Zuffa. During 2010 and 2011, the two years before it was acquired by Zuffa, Strikeforce paid approximately 63% of its revenues to its fighters.²⁴⁷ Similarly, during the period from 2010 through 2015, Bellator paid approximately 48.5% of its revenue to Fighters.²⁴⁸ These MMA promoters are Zuffa’s closest competitors and their business models are similar to Zuffa’s. The fact that their fighter pay ratio, which has an unweighted mean of 55.75% during the Class Period (through the end of 2016), is in the ballpark of my benchmark estimates further bolsters the reasonableness of my benchmarks.

²⁴⁶ For example, in an interview with ESPN’s *Outside the Lines*, Lorenzo Fertitta claimed “[w]hat you have to understand is that our model is different. We are everything. We’re the promoter. We’re the television producer. We’re responsible for all the costs that go into the production, and you’re talking millions and millions of dollars.” Barr and Gross.

²⁴⁷ ZFL-1472337; ZFL-1472338.

²⁴⁸ SBPCL00002101.

131. Second, the data supplied by Zuffa in this case indicates that broadcasting production costs were in the neighborhood of \$90 million in 2014.²⁴⁹ However, if it were not cost effective to produce their own content, the UFC would presumably have the option to farm the production out to FOX or another network as professional sports teams do. Indeed, based on internal evaluation of that option, it appears that if Zuffa did outsource production costs to its broadcast partners, it would result in a valuation of only \$10 to \$20 million for these services.²⁵⁰ Given that Zuffa's total revenues in 2014 were \$471.6 million,²⁵¹ \$10 to \$20 million represents only 2% to 4% of Zuffa's overall revenue.

132. Furthermore, to the extent Zuffa claims that such production costs are not incurred by the owners in the sports I have selected as benchmarks, such a claim is inaccurate. For example, team owners in the MLB, the NBA and NHL often own their own regional sports networks (RSNs) and, therefore, also cover their television production costs.

²⁴⁹ In connection with the acquisition of Zuffa by WME/IMG, the Raine group observed that "It is worth noting that UFC also incurs all of its own media production costs which run ~\$90mm per year (media partners typically incur all production costs for most sports leagues); IMG has significant media production capabilities that will crossover." ZFL-0994806 at 06. Zuffa's consolidated income statement for 2014 corroborates this figure if one adds together the contract and non-contract production costs, equipment rentals, the announcers' fees and advertising sales and observes that some of these items are not directly related to broadcasting costs. For instance, the announcers may do promotional work for Zuffa not connected to the event broadcasting.

²⁵⁰ In Oct. 2012, Denitza Batchvarova, UFC's Senior Director for Investment and Strategy, put together a model to estimate UFC Rights Fees from Fox based on comparing Fox's recent deals with MLB and NASCAR. Based on that model, Batchvarova concluded that "If Zuffa chooses to retain production in-house, we would increase the annual valuation by \$10-\$15m to reflect the pass through of event production costs to Fox." ZFL-1014148; ZFL-101-4149, at 50. UFC estimates the fair market value of UFC Live programming based on 2013 ratings at \$272 million, and estimates the "adjusted value for production costs" to be \$292 million. Thus, the adjusted value of the production costs is approximately \$20 million. ZFL-0940065 at 89.

²⁵¹ ZFL-1514944.

These RSNs contribute a significant portion of team revenues.²⁵² Consider, for instance, a team like the Boston Red Sox. It is in a television market covering all of New England, including almost 5 million households. With household cable penetration of around 80%, there are close to 4 million homes that subscribe to NESN (the team's RSN)²⁵³ and cable distributors pass on a monthly fee of roughly \$5. This sum produces approximately \$20 million monthly or \$240 million yearly. On top of this, NESN also earns tens of millions of dollars from advertising sales. In its most recent valuation of MLB teams (March 23, 2016), *Forbes* estimates that the Red Sox total revenue is \$398 million.²⁵⁴ If we posit conservatively that 50 percent of NESN's revenue is attributable to the Red Sox (with the rest to the Bruins and shoulder programming) and the network earns \$40 million in ad sales, then the Red Sox revenue from NESN is \$140 million, or roughly 35% of team revenue. The Red Sox payroll in 2016 was \$204 million or 51.3% of its estimated revenue.²⁵⁵ NESN's revenues are part of MLB's total revenues.

²⁵² For the NBA, *see* Collective Bargaining Agreement, January 19, 2017, Article VII (a)(ii), at 127. For MLB, *see* Basic Agreement, 2012-2016, Article XXIV (A), at 119-120. For the NHL, *see* Collective Bargaining Agreement Between National Hockey Association and National Hockey Association Players' Association, Sept. 16, 2012-Sept. 15, 2022, Article 50.1 (a), at 223-228. Although it only applies to very modest revenue from pre-season games, for the NFL *see* NFL Collective Bargaining Agreement, Aug. 4, 2011, Article 12 (Section 1)(a), at 61-66.

²⁵³ The Boston Red Sox is owned by a partnership called Fenway Sports Group. The Fenway Sports Group also owns 80 percent of NESN.

²⁵⁴ "Forbes Releases 19th Annual MLB Team Valuations," *Forbes*, March 23, 2016, available at <https://www.forbes.com/sites/forbespr/2016/03/23/forbes-releases-19th-annual-mlb-team-valuations/#7c7b904720af>.

²⁵⁵ This payroll represents the team's 40-man roster and excludes minor league player contracts. The latter would add several million dollars to the payroll.

133. Even if it were correct that Zuffa incurred higher production costs than my benchmark sports leagues,²⁵⁶ those would likely be counterbalanced by other expenses that are incurred by my benchmark sports leagues but *not* by Zuffa.

134. For example, in its 2014 Consolidated Income Statement, Zuffa reported that it spent \$4.8 million on venue costs.²⁵⁷ In contrast, the Red Sox have invested approximately \$300 million of private funds to renovate Fenway Park. Amortizing this sum and adding the operating expenses results in annual stadium costs of close to \$50 million a year. Using the highest of the three valuations of Zuffa's broadcasting production costs (\$90 million), if the production costs at NESN were as little as \$44.8 million, then the combined broadcasting and venue costs for the Red Sox would be same as those for Zuffa. Yet Zuffa's annual revenue in 2014 was reported as \$471.6 million, whereas the estimated Red Sox revenue two years later was \$398 million.²⁵⁸

135. Zuffa's anticipated argument that it incurs expenses not incurred by my benchmark leagues that account for the much lower share of revenue paid to its athletes is also belied by the extraordinary profitability experienced by Zuffa during the Class Period. In order to evaluate Zuffa's profitability, it is essential to look at its earnings *before* interest

²⁵⁶ Also note that, according to a Deutsche Bank presentation, Zuffa "management expects minimal increases in overall production costs" such that "the stable nature of these expenses provide for significant leverage in the business model allowing for incremental revenue to contribute directly to EBITDA[.]" DB-ZUFFA-00007290 at 350.

²⁵⁷ The \$4.8 million figure is arrived at by summing four different entries for "other venue costs" in Zuffa's 2014 consolidated income statement. ZFL-1514944. In a Q&A presentation for potential investors prepared by the Raine Group, however, it is stated that facilities costs are comprised primarily of expenses for maintaining Zuffa offices overseas. RAINE0018791 at 807. "Other venue costs" is listed under "Facilities" in the consolidated income statement. Hence, it is likely that actual arena costs are considerably below this \$4.8 million figure, making the comparison in the text even more striking.

²⁵⁸ As estimated by *Forbes*.

payments (as measured by EBITDA, or “Earnings Before Interest, Taxes, Depreciation, and Amortization”), as Zuffa engaged in repeated “dividend recapitalizations,” which essentially means using debt to finance dividend payments to shareholders.²⁵⁹ The extensive use Zuffa made of debt financing of equity payments to shareholders is illustrated in **Table 7**, which presents Zuffa’s Net Income and Dividends each year between 2005 and 2014.

Table 7

Zuffa's Net Income and Dividend Payouts by Year²⁶⁰

<u>Source</u>	<u>Year</u>	<u>Net Income</u>	<u>Dividends</u>
ZFL-0000169	2005	\$6,268,401	\$9,100,000
ZFL-0000169	2006	\$75,291,650	\$63,835,711
ZFL-0000113	2007	\$13,209,235	\$285,743,500
ZFL-0000064	2008	\$38,098,231	\$72,703,105
ZFL-0000007	2009	\$99,313,880	\$144,181,867
ZFL-0000031	2010	\$119,721,000	\$305,855,402
ZFL-0000031	2011	\$95,960,000	\$97,158,000
ZFL-0000221	2012	\$30,361,000	\$68,042,000
ZFL-0000221	2013	\$84,788,000	\$72,122,000
ZFL-0000136	2014	\$26,621,000	\$44,329,000
Total		\$609,397,305	\$1,163,070,585
2010-2014		\$377,215,908	\$587,506,402

136. Looking at Zuffa’s EBITDA margins indicates that on balance Zuffa is in fact quite profitable and that Zuffa’s apparent monopsony and monopoly power has enabled

²⁵⁹ Indeed, in 2011, David Reid at Deutsche Bank who was in charge of the Zuffa account noted concern over Zuffa’s shareholder’s dividend recapitalizations: “How about them putting there [sic] hands in there [sic] pocket. Not doing it zero equity, particularly when they pull hundreds of millions of dollars out the company every year.” DB-ZUFFA-00024253 at 54. In this case, the shareholders were primarily the Fertitta brothers and Dana White, who collectively owned 90% of the equity in Zuffa.

²⁶⁰ Where Zuffa’s audited financial statements have restated net income, the restated numbers are listed below. In addition, these numbers reflect net income attributable to Zuffa, where applicable.

uncommonly high margins.²⁶¹ For example, the EBITDA margins reported in Zuffa's financial statements far surpass the average margins in the entertainment and movie sector of the U.S. economy. According to CSIMarket,²⁶² the EBITDA/revenue ratio in the entertainment and movie sector averaged 12.6% during the eight quarters of 2015 and 2016.²⁶³ From Table 2 above, Golden Boy Promotion's margin averaged only 7.4% during 2014-2016. In contrast, Zuffa's reported an average EBITDA margin of 25.3% for the period from 2010 to 2016—more than double that in the entertainment and movie sector as a whole. The annual breakdown of Zuffa's margins is presented in Table 8.

²⁶¹ In addition, it is likely that even Zuffa's EBITDA margins are appreciably understated due to inflated costs. For example, Zuffa recorded expenses including \$14.71 million of supplementary bonuses above the line, even though they are essentially additional distributions of profits to equity holders. Similarly, Zuffa's financial statements record millions of dollars in expenses for related party transactions such as expenses for corporate jets, which are paid to the Fertitta brothers, who owned those same jets. As described in the diligence papers for potential investors, "accounts for all private jets used by current shareholders: these costs are well-above what is required to operate the business and will not be a go forward expense under the new ownership... the majority of plane expense can be added back as these services are not necessary to operate the business. UFC has been conservative and added an additional \$1.5mm in T&E expense to adjust for the loss of private planes." RAINE0018791 at 807-08.

²⁶² "Movies and Entertainment Industry Profitability Ratios", available at http://csimarket.com/Industry/industry_Profitability_Ratios.php?ind=917&hist=4.

²⁶³ CSIMarket does not have estimates for this sector before 2015. In general, as the economy has gradually strengthened each year since 2008, one would expect margins during 2010-2014, if anything, to be below the average in 2015 and 2016.

Table 8: Zuffa EBITDA Margins²⁶⁴

2010	35.3%
2011	30.0%
2012	15.5%
2013	25.6%
2014	15.4%
2015	26.3%
2016	28.8%

137. To put these profits in perspective, in response to an ESPN story, Zuffa flaunted the fact that it paid out more than \$250 million to all of its fighters between 2005 and 2011. Yet over the same period, according to Zuffa's records, the company paid out \$978.6 million in dividends to its owners – nearly four times as much as it paid its fighters. This sum does not even include salary payments or management fees to the Fertitta brothers and Dana White, possible income from related party transactions (*e.g.*, renting Zuffa use of their corporate jets), bonuses and supplementary bonuses (paid out of EBITDA), multiple perquisites, insurance coverage, or capital gains in excess of \$3 billion which were eventually realized when Zuffa was sold to a consortium led by WME/IMG in August 2016.²⁶⁵

²⁶⁴ These are calculated from Zuffa's audited financial statements covering 2010-2015 (ZFL-0000031, ZFL-0000221, ZFL-0000136, RAINE-0016846) supplemented by Zuffa's Consolidated P&L Statements, *supra* n. 242.

²⁶⁵ Fertitta Dep. at 32:18-24 ("the closing value for the transaction was, my recollection, about 3.65 billion minus the debt that the UFC had at the time, which was roughly 450 to 500 million. So subtracting that would be the equity value to shareholders").

138. Because Zuffa's capital costs are exceptionally low, Zuffa's return on investment is even more of an outlier. In its financial presentation to Standard and Poor's and to Moody's in May 2007, Zuffa boasted of its low capex requirements as follows: "Strong free cash flow... minimal capital expenditure requirements ... traditional EBITDA-based credit metrics hide free cash flow generation."²⁶⁶ Indeed, Zuffa's total capital expenditures in 2004 were only \$300,000 and in 2005 dropped to \$200,000.²⁶⁷ Such boasts undermine any claim by Zuffa that higher capital requirements justify higher capital returns as compared to relevant benchmarks. Furthermore, Zuffa's extraordinary returns were realized based on an initial investment of only \$2 million to buy the UFC in 2001, along with diminutive operating losses for the first three years and minimal additional capital expenditures as described above.

139. Finally, it may be objected that, even though Zuffa's margin is about 13 percentage points above the average for the entertainment and movie industry, the damage estimates implied by my analysis would yield substantially negative EBITDA. This objection, however, is flawed because (in part) it is based on a static view of the UFC's business. Indeed, it is reminiscent of baseball's owners' claim, discussed above, that the sport would die if player free agency came into effect. Each of the team sports expressed similar fears when faced by player lawsuits or labor action. In reality, each of the team sports adapted to higher player costs by employing more effective management practices. Moreover, the open market turned out to stimulate fan interest, both in athlete movement but also in evaluating what athletes were worth. The higher salaries also provided a stronger

²⁶⁶ ZFL-1516424 at 56.

²⁶⁷ *Id.* at 70.

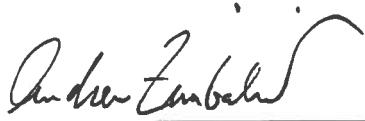
incentive to existing athletes to improve conditioning and to future athletes to train more effectively. Further, more young athletes found the prospect of a future career in baseball to be alluring. For all these reasons, the quality of play improved and the game became more exciting. Accordingly, industry revenue and franchise valuations soared.

VI. CONCLUSION

140. I conclude as follows:

- a. Zuffa's challenged conduct is anticompetitive in character and, thereby, would have anticompetitive effects if engaged in by an entity with monopoly or monopsony power;
- b. The pro-competitive justifications that have been offered in defense of conduct similar to the challenged conduct that was historically engaged in by owners in other professional sports (i) are invalid, (ii) do not have any theoretical applicability to MMA, and (iii) MMA could exist as a successful sport with less restrictive conduct in its labor market; and
- c. There is a class-wide method capable of computing the aggregate amount members of the proposed "Bout Class" were undercompensated due to the challenged conduct. I have conservatively computed such damages for the period December 16, 2010 through December 31, 2016 to be equal to \$981,846,743.

I declare that the foregoing is true and correct to the best of my knowledge and belief.

A handwritten signature in black ink, reading "Andrew Zimbalist", is written above a horizontal line.

Andrew Zimbalist

Northampton, Ma.

August 30, 2017

EXHIBIT A

August 2017

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Education:

B.A., University of Wisconsin, 1969
M.A., in Economics, Harvard University, 1971
Ph.D., in Economics, Harvard University, 1974

Fellowships, Grants, Awards and Positions:

National Science Foundation Traineeship, 9/69-8/72
Doherty Latin American Fellowship, 9/72-8/73
Harvard Institute for International Development Research Grant, 6/73-9/74
Research Fellow, Department of Economics, Harvard University 1/79-7/79
Picker Fellowship in International Studies, 6/82-7/83
Visiting Scholar, Doshisha University, Kyoto, Japan, 1/85-5/85.
Picker Fellowship in International Studies, 6/85-9/86.
Chair, Department of Economics, Smith College, 1982-1987
Writer and Director, Household International Grant on markets and the world economy, 1989-1993
MacArthur Foundation Grant for the study of reform of socialist management, 1990
Ford Foundation Grant for research and academic exchange, 1990-91
Director, LASA Cuba Task Force study group on transition and reform, 1990-91
MacArthur Foundation Grant for research and academic exchange, 1992-96
Chair, LASA Task Force on Scholarly Relations with Cuba, 1993-94
Member, The Atlantic Council of the United States, Working Group on Cuba, 1994-95
Baseball and Billions selected as one of the 8 best business books of 1992 by *Business Week*, as the best sports book of 1992 by the *Sporting News*, as the

best business book of 1992 by *USA Today Baseball Weekly*, and selected as Breakthrough Book in *Lingua Franca*
Sports, Jobs and Taxes selected as Breakthrough Book in *Lingua Franca*
 Selected as the sports journalist of the year in 1998 by the *Village Voice*
Unpaid Professionals selected as a Breakthrough Book in *Lingua Franca*
 Danziger Fellowship, Smith College, 1999-2002
 Listed in *Who's Who in America*
 Listed in *Who's Who in American Educators*
 Chair, Smith College Committee on Athletics and NCAA Faculty Rep, 1998-present
 Bi-weekly commentator on the business of sports on NPR's Marketplace, 2002-2005
 Visiting Professor, University of Geneva, 2003
May the Best Team Win given "Silver Award" by *ForeWord Magazine* in their Book of the Year Award in Business and Economics
National Pastime: How Americans Play Baseball and the Rest of the World Plays Soccer awarded prize for "Outstanding Academic Title" by *Choice*, the major review journal of the American Library Association
 National Advisory Council, Campaign for Alcohol-Free Sports TV, 2006-09
 Advisory Board, Israeli Baseball League, 2006-07
 National Policy Advisory Board, Women's Sports Foundation
 Advisory Board, Pennsylvania State Institute for Sports Law, Policy and Research
 Selected as one of America's Top 100 Most Influential Sport Educators (Institute for International Sport)
 Visiting Professor, University of Geneva, Geneva Switzerland, 2003
 Visiting Professor, American Studies Program, Doshisha University, Kyoto, Japan, June 2007.
 Selected as one of top 100 sports educators by the Institute for International Sport, October 2007.
 Advisory Council, The Drake Group, 2009- .
 Westlaw Round Table Group, expert
 Visiting Professor, University of Hamburg, Hamburg, Germany, 2011
 Advisory Board, Sports Leadership and Management Program, UMASS-Boston, 2015-
 Consultant to the Commissioner's Office, Major League Baseball, 2006-16.
Circus Maximus selected as one of the Best Books of 2015 by *The Economist*
 Co-editor Palgrave Macmillan Pivot Book Series on Sports Economics, 2016-

Other Activities (partial listing)

Member, Editorial Board of journal *Journal of Sports Economics*, 1999 - present.
 Member, Editorial Board of journal *Base Ball*, 2006 – present
 Member, Editorial Board of journal *Journal of Issues in Intercollegiate Sport*, 2007 – 2013
 Member, Editorial Board of journal, *International Journal of Management and Marketing*, 2013 - 2015
 Member, Editorial Board, *Sports Technology*, 2007 - 2010
 Academic Affiliate, Analysis Group/Economics, 1999-present
 Member, Advisory Board, The Drake Group, 2009-present

Series Editor of Latin American Economic Development Book Series, Westview Press, 1987-1994.

Member, Editorial Board of journal *Comparative Economic Studies*, Association for Comparative Economic Studies, 1987-1990.

Member, Advisory Board, U. Mass Boston, Sport Management Program. 2014-present

Member, Editorial Board of journal *Latin American Perspectives*, 1988-1998.

Member, Advisory Board, Western Massachusetts Civil Liberties Union, 1988-1994.

Member, Board of Directors, Network on East-West-South Research Cooperation on Technology Transfer, 1988-1994.

Member, Cable Advisory Board, Northampton, Ma., 1990-1994.

Member, Washington Office on Latin America Op-ed Writers' Network, 1995-1998.

Chair, Cable Advisory Board, Northampton, Ma., 1993-1994.

Member, Advisory Board, EcoConsult, 1992-1996.

Development Consultant, SRI project on non-traditional export promotion in Central America and the Caribbean basin, 1987-1988.

Development/Management Consultant, United Nations' Development Project, assessment of management training programs and needs in Cuban economy, 1990- 1993.

Project consultant, Ford Foundation, 1990

Project consultant, MacArthur Foundation, 1992

Consultant to Major League Baseball, Office of the Commissioner, 2005-06, 2010-present

Faculty Board, College Sports Research Institute, University of North Carolina, 2008-present

Consultant, for Attorney Robert Pearl in litigation brought by Mrs. Billy Martin, involving estimation of managerial contribution to revenue of baseball franchises, 1992.

Consultant, for Weil, Gotshal & Manges, in litigation brought by NFL Players' Association, involving an analysis of the effect of free agency on league competitive balance, 1992.

Consultant, for Williams & Youle, in arbitration case for compensation for territorial rights to the Denver Zephyrs of the American Association from the Colorado Rockies. (testimony)

Consultant, for Cunningham Law Group, in litigation against Major League Baseball for tortious interference in effort to procure a franchise for Tampa Bay.

Consultant, for Grippo & Elden, in litigation brought by WGN and the Chicago Bulls against the National Basketball Association over league rules restricting the number of superstation broadcasts.

Consultant, for Williams, Youle & Koenigs, Attorneys at Law, for arbitration case of The Denver Zephyrs Baseball Club v. Colorado Baseball Management, et al. (testimony)

Consultant, for Campbell, Maack & Sessions, in arbitration case for territorial compensation rights regarding Salt Lake City Buzz and Trappers. (testimony)

Consultant, for Wendell, Chritton & Parks, in arbitration case for territorial compensation to Fort Lauderdale Yankees from Florida Marlins. (testimony)

Consultant, for ABRY Communications in litigation between KSMO-TV and the Kansas City Royals. (testimony)

Consultant, for the Major League Baseball Players' Association concerning analysis and design of revenue sharing system for Major League Baseball.

Consultant, for Atlantic Council of the United States, project on U.S./Cuba relations.

Consultant, for IRELA (Instituto de Relaciones Europeo-Latino-americanos), Madrid, of the European Parliament.

Co-founder of the United Baseball League, with Rep. Robert Mrazek, Rep. John Bryant and Richard Moss.

Consultant, for Attorney Robert Bell in litigation between Marianne Stanley and USC.

Consultant, for ING Bank

Consultant, for Holderbank

Consultant, for Coca-Cola

Consultant, for Euromoney

Consultant, for Mayor's Office, Portland, Oregon

Consultant, for Krendl, Horowitz & Krendl in litigation between Steven Ehrhardt and the Colorado Rockies Baseball Team. (testimony)

Consultant, for Brown, Hart, Reed & Kaplan in *Burt v. Hampshire College*. (testimony)

Consultant, for Wolff Companies

Consultant, for Connecticut Senate Democrats

Consultant, for Husch & Eppenberger, in *St. Louis CVC Authority v. NFL* (testimony)

Consultant, for Rose, Sundstrom & Bentley, in *W. Poe v. Hillsborough County & City of Tampa*. (testimony)

Consultant, for U.S. House Judiciary Committee in drafting bill for partially lifting baseball's antitrust exemption as it applies to labor relations

Consultant, for IRS in franchise asset evaluations

Consultant, for Davis, Scott, Weber & Edwards in Miami sports facility case

Consultant, for Los Angeles Mayor's Office in arena financing matter

Consultant, for Cincinnati *Business Courier*, in stadium lease evaluation

Contributing columnist, *Sports Business Journal*

Consultant, for Analysis Group/Economics in U.S. Department of Justice case against a Major League Baseball franchise. (testimony)

Consultant, for ENIC in European soccer case

Consultant, for National Basketball Players' Association in collective bargaining

Consultant, for Rabinowitz, Boudin et al. in copyright case

Consultant, for National Hockey Players' Association in franchise analysis

Consultant, expert on behalf of Fraser class in antitrust litigation against Major League Soccer (testimony)

Consultant, for Leboeuf, Lamb, Greene & MacRae in baseball franchise valuation case

Consultant, for Kohrman, Jackson & Krantz in NFL/consumer protection case.

(testimony)

Consultant, for Greenbaum, Doll & McDonald in sports antitrust case
 Consultant, for Menard, Murphy and Walsh in sports facility/eminant domain case
 Consultant, for Levin, Fishbein, Sedran & Berman in NFL antitrust case
 Consultant, for Wisconsin Governor's office in stadium matter
 Consultant, for Sills, Cummis, et al. in tax case involving the New Jersey Nets
 Consultant, U.S. Department of Justice, in tax case involving several baseball teams.

(testimony)

Consultant, for Shughart, Thomson & Kilroy in NFL franchise valuation case
 Lecturer, Aspen Institute Congressional Program on Cuba
 Consultant, for Boies, Schiller & Flexner in NFL ownership/franchise valuation case. (testimony)

Consultant, Ways and Means Committee, Boston City Council
 Consultant, for Henry Klein in NFL/consumer rights case
 Consultant, for Thorsnes, Bartolotta & McGuire in sports broadcasting antitrust case
 Consultant, for Schulman & Kaufman, in sports licensing case
 Consultant, for Blecher & Collins in sports licensing case
 Consultant, "The Power of Ideas" Program, American Public Television
 Consultant, for Modern Continental in stadium construction plan
 Consultant, for Boies, Schiller & Flexner in Broadcasting case (testimony)
 Consultant, for National Cable Telecommunications Association, Board of Directors

Consultant, Minneapolis Metropolitan Sports Facilities Corporation against MLB's contraction efforts

Consultant, to the Shubert Organization in economic development matter
 Consultant, to the IRS in NFL franchise valuation case
 Consultant, to Boyle, Morrissey et al. in damages case
 Consultant, to the Antitrust Division of the U.S. Justice Department
 Consultant, to First Watch Investment Advisors, LLC
 Consultant, to McLaughlin, Gouldborne & Cohen in minor league baseball facilities matter

Consultant, to Furnier & Thomas in a sports stadium matter
 Consultant, to NCAA in financial analysis of intercollegiate athletics
 Consultant, to Brascher Law in sports damages case
 Consultant, to Marcus Katz in sports league matter
 Consultant, to McKinsey & Company in college sports matter
 Consultant, to Bruce Ratner/Forest City in development matter
 Consultant, to Wisconsin State Legislature in team and stadium matter
 Consultant, to Dewey Ballantine in intercollegiate sports antitrust case
 Consultant, to new team boxing league
 Consultant to Boies, Schiller and Flexner in NFL ownership matter
 Consultant to WUSA, relaunch effort

Consultant to McDonald & Hayden in NHL financial matter
 Consultant to District of Columbia's Controller's Office in stadium matter
 Consultant to Waite, Schneider, Bayless and Chesley in stadium matter
 Consultant to San Francisco Giants in stadium matter (testimony)
 Consultant to City of Anaheim in stadium matter (testimony)

Consultant to Waite, Schneider, Bayless and Chesley in NASCAR antitrust matter (testimony)
 Consultant to Jackson County, Mo. in stadium negotiations with the Chiefs and Royals
 Consultant to Rainey Kaiser, in stadium matter in Jackson, Tennessee (testimony)
 Consultant to Magna Entertainment in horse racing matter
 Consultant to Harrah's in sports development matter
 Consultant to ML in sports franchise purchase matter
 Consultant to NJSEA in stadium matter
 Consultant to the San Francisco Board of Supervisors in assessing the economic impact of an Olympics bid
 Consultant to various MLB teams
 Consultant to MLB in collective bargaining, 2005-06, and 2010-11
 Consultant to Citigroup clients on franchise purchase
 Consultant to Weil, Gotshal & Manges in matter involving NBA team
 Consultant to Geraghty, O'Laughlin & Kenney in matter involving professional basketball player
 Consultant to Melick, Porter & Shea in matter involving professional golf
 Consultant to New Jersey Sports and Exhibition Authority in arena matter
 Member, National Advisory Council, Campaign for Alcohol-Free Sports TV, Center for Science in the Public Interest
 Member, Advisory Board, Museum of the City of New York, exhibit on baseball in New York, 1947-1957
 Member, Board of Advisers, Israeli Baseball League, 2006-07
 Member, Board of Directors, Vintage Baseball Federation, 2007-present
 Member, Advisory Board, Penn State Institute for Sports Law, Policy and Research, 2007-present
 Member, Advisory Board, Professional Athlete Education Initiative, 2008-present
 Member, National Expert Advisory Panel, Women's Sports Foundation
 Member, Antitrust Public Policy Group, Women's Sports Foundation
 Consultant to Michael Best Law Group in minor league baseball matter
 Consultant to Northwoods League in franchise valuation matter
 Consultant, Knight Commission Committee on financial reform in college sports
 Member, Advisory Board, Lake Placid Sports Summit
 Consultant to city of Seattle in sports facility matter (testimony)
 Consultant to Barnes & Thornburg in tennis antitrust matter (testimony)
 Consultant to Jones Day in antitrust matter in NHL (testimony)
 Consultant to Ken Burns/Florentine Films on baseball documentary
 Consultant to Flaherty, Sensabaugh & Bonasso in a college head coach liquidated damages case
 Consultant to the National Football Players Association for a study on comparative retirement benefits
 Consultant to Squire, Sanders & Dempsey in a franchise relocation matter
 Consultant to Dewey LeBoeuf in a franchise relocation matter
 Consultant for valuation purposes in sale of interest in MLB team
 Consultant to MLB's Commissioner's Office on economic issues, 2005 - present
 Consultant to Northlands in an arena and economic development matter

Consultant to U.S. Department of Justice in college sports antitrust matter
 Consultant to Heenan Blaikie and the city of Ottawa in a sports/stadium matter
 Consultant to Hausfeld, LLP in NFL mediation of labor relations dispute
 Consultant to Schiff Hardin LLP in publicity rights cases involving Michael Jordan
 (testimony)
 Consultant to Jackson Kelly LLP in college sports realignment mediation
 Consultant to McDonald Sanders LLP in college sports realignment matter
 Consultant to Boyle, Shaughnessy & Campo in an NHL matter
 Consultant to Ater Wynne LLP in franchise valuation matter
 Consultant to Meerkats, regarding Australian Rules Football, management strategy
 Consultant to Bredhoff & Kaiser, regarding NLRB matter in college football
 Consultant to Nagel Rice in NFL matter
 Consultant to US Track & Field Athletes in compensation matter
 Consultant to Speaker of the House, Rhode Island in stadium matter
 Consultant to Morrison & Foerster in a stadium matter
 Consultant for the Atlantic 10 Athletic Conference, 2016
 Consultant for Cohen Milstein in anti-trust matter
 Consultant for Dunlavey & Associates in stadium analysis

Referee for Social Science Research Council of Canada, National Science
 Foundation, Spencer Foundation, American Economic Review, World
 Development, Journal of Economic Behavior and Organization, Latin American
 Research Review, Southern Economic Journal, Regional Science and Urban
 Economics, Problems of Post-Communism, Industrial and Labor Relations
 Review, Journal of Inter-American Studies and World Affairs, Latin American
 Politics and Society, Cuban Studies, Social Science Quarterly, Journal of
 Comparative Economics, Studies in Comparative International Development,
 Journal of Industrial Economics, National Science Foundation, Fullbright, Latin
 American Perspectives, Journal of Sports Economics, Eastern Economics Journal,
 Southern Economic Journal, Quarterly Review of Economics and Finance,
 Journal of Sport History, Economic Inquiry, Regional Studies, Journal of
 Business, B.E. Journals in Economic Analysis and Policy, Journal of Planning,
 Education and Research, Growth and Change, Journal of Public Economics,
 Urban Affairs Review, Journal of Issues in Intercollegiate Athletics, Sociological
 Forum, International Journal of Sport Finance, Public Budgeting and Finance,
 State and Local Government Review, Thompson/South-Western publishing,
 Urban Affairs Review, International Journal of Sport Policy and Practice, and
 various university presses and other journals. He has also served as an outside
 reviewer in numerous university tenure and promotion cases.

Testimony before Political Bodies:

House Ways and Means Committee on the economic effects of U.S. policy toward
 Cuba in March 1994
 U.S. Senate Judiciary Committee in December 1992 in hearings on baseball's

antitrust exemption
 N.Y. State Senate on public policy toward minor league baseball in February 1993
 U.S. House Judiciary Committee in its consideration of the Bunnings/Synar bill to limit MLB's anti-trust exemption in September 1994
 U.S. Senate Judiciary Committee in January 1996 at hearings on the future of professional sports leagues
 U.S. House Judiciary Committee in February 1996 at hearings on antitrust implications of professional sports franchise relocation
 New York State Senate on the economic impact of sports franchises and stadiums on cities in April 1996
 U.S. House Commerce Committee in May 1996 at hearings on the "Fan Freedom and Community Protection Act of 1996"
 Connecticut State Legislature in December 1998 on the proposal to bring the New England Patriots to Hartford (written only)
 U.S. Senate Judiciary Committee in June 1999 at hearings on sports antitrust policy and stadium financing
 Springfield City Council in July 1999 on public subsidies for the construction of a minor league stadium
 Philadelphia City Council in June 2000 on public subsidies for stadium construction.
 U.S. Senate Judiciary Committee in November 2000 on competitive balance in Major League Baseball (written only)
 Ways and Means Committee, Boston City Council, December 11, 2000 (written only)
 U.S. Department of Education Commission of Gender Equity in College Athletics, November 20, 2002
 Yonkers, New York, City Council, December 2002
 San Francisco City Council, March 2005
 Boston Finance Committee, February 2015
 Massachusetts State Senate, May 2015

Publications:

Books:

Economic Democracy: Workers' Participation in Chilean Industry, 1970-73, Academic Press, February 1978. Updated, student paperback edition, Fall 1981. Revised Spanish language edition, *Democracia Económica*, Fondo de Cultura Económica, Mexico, 1984. (with Juan Espinosa).

Case Studies on the Labor Process (editor). Monthly Review Press, December 1979 (paperback edition, April 1981).

Comparative Economic Systems: An Assessment of Knowledge, Theory and Method (editor). In series on history of economic thought edited by Warren Samuels, Kluwer- Nijhoff, November 1983.

Comparing Economic Systems: A Political Economic Approach, Academic Press, July 1984. Second printing, December 1985. Second edition, Harcourt, Brace and Javonovitch, Fall 1988 (with H. Sherman and S. Brown).

Cuba's Socialist Economy Toward the 1990s (editor). Special issue of *World Development*, vol. 15, no. 1, January 1987. Pergamon Press. Book version with new introductory essay, (paper and hardback editions) October 1987, Lynne Rienner Publishers.

Cuban Political Economy: Controversies in Cubanology (editor). Westview Press, January 1988.

The Cuban Economy: Measurement and Analysis of Socialist Performance. Johns Hopkins University Press, October 1989. (with Claes Brundenius).

Panama at the Crossroads: Economic Development and Political Change in the Twentieth Century. University of California Press, Summer 1991. (with John Weeks).

Cuba in Transition: Crisis and Transformation (joint editor). Westview Press, Spring 1992.

Baseball and Billions: A Probing Look Inside the Big Business of Our National Pastime. Basic Books, Fall 1992. (Japanese edition published in July 1993 by Dobunshoin, Tokyo.) Updated paperback edition with new preface and postscript, March 1994. Audio cassette, High Sport Productions, 1994.

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EXHIBIT B

Parties

Between ST. LOUIS NATIONAL BASEBALL CLUB, INC.herein called the Club, and CURTIS CHARLES FLOODof 4466 West Pine, St. Louis, Missouri, herein called the Player.

Recital

The Club is a member of the National League of Professional Baseball Clubs, a voluntary association of twelve member Clubs which has subscribed to the Major League Rules with the American League of Professional Baseball Clubs and its constituent Clubs and to the Professional Baseball Rules with that League and the National Association of Baseball Leagues. The purpose of these rules is to insure the public wholesome and high-class professional baseball by defining the relations between Club and Player, between Club and Club, between League and League, and by vesting in a designated Commissioner broad powers of control and discipline, and of decision in case of disputes.

Agreement

In consideration of the facts above recited and of the promises of each to the other, the parties agree as follows:

Employment

1. The Club hereby employs the Player to render, and the Player agrees to render, skilled services as a baseball player during the year 1969 including the Club's training season, the Club's exhibition games, the Club's playing season, and the World Series (or any other official series in which the Club may participate and in any receipts of which the player may be entitled to share).

Payment

2. For performance of the Player's services and promises hereunder the Club will pay the Player the sum of \$90,000 in semi-monthly installments after the commencement of the playing season covered by this contract. Payment shall be made on the day the amount becomes due, regardless of whether the Club is "home" or "abroad".

If a monthly rate of payment is stipulated above, it shall begin with the commencement of the Club's playing season (or such subsequent date as the Player's services may commence) and end with the termination of the Club's scheduled playing season and shall be payable in semi-monthly installments as above provided.

Nothing herein shall interfere with the right of the Club and the Player by special covenant herein to mutually agree upon a method of payment whereby part of the Player's salary for the above year can be deferred to subsequent years.

If the Player is in the service of the Club for part of the playing season only, he shall receive such proportion of the sum above mentioned, as the number of days of his actual employment in the Club's playing season bears to the number of days in said season.

Notwithstanding the rate of payment stipulated above, the minimum rate of payment to the Player for each day of service on a Major League Club shall be at the rate of \$10,000 per year; except, if a Player physically joins a Major League Club on or after September 1, he shall be paid during September at the rate of \$8,500 per year for each day of service until he has accumulated a total of 60 days of Major League service, after which he shall be paid at the rate of \$10,000 per year for each day of service with such Major League Club.

Payment to the Player at the rate stipulated above shall be continued throughout any period in which a Player is required to attend a regularly scheduled military encampment of the Reserve of the Armed Forces or of the National Guard during the Club's playing season.

Loyalty

3. (a) The Player agrees to perform his services hereunder diligently and faithfully, to keep himself in first-class physical condition and to obey the Club's training rules, and pledges himself to the American public and to the Club to conform to high standards of personal conduct, fair play and good sportsmanship.

Baseball
Promotion

(b) In addition to his services in connection with the actual playing of baseball, the Player agrees to cooperate with the Club and participate in any and all promotional activities of the Club and its League, which, in the opinion of the Club, will promote the welfare of the Club or professional baseball, and to observe and comply with all requirements of the Club respecting conduct and service of its team and its players, at all times whether on or off the field.

Pictures and
Public
Appearances

(c) The Player agrees that his picture may be taken for still photographs, motion pictures or television at such times as the Club may designate and agrees that all rights in such pictures shall belong to the Club and may be used by the Club for publicity purposes in any manner it desires. The Player further agrees that during the playing season he will not make public appearances, participate in radio or television programs or permit his picture to be taken or write or sponsor newspaper or magazine articles or sponsor commercial products without the written consent of the Club, which shall not be withheld except in the reasonable interests of the Club or professional baseball.

Player
Representations

Ability

4. (a) The Player represents and agrees that he has exceptional and unique skill and ability as a baseball player; that his services to be rendered hereunder are of a special, unusual and extraordinary character which gives them peculiar value which cannot be reasonably or adequately compensated for in damages at law, and that the Player's breach of this contract will cause the Club great and irreparable injury and damage. The Player agrees that, in addition to other remedies, the Club shall be entitled to injunctive and other equitable relief to prevent a breach of this contract by the Player, including, among others, the right to enjoin the Player from playing baseball for any other person or organization during the term of this contract.

Condition

(b) The Player represents that he has no physical or mental defects known to him, which would prevent or impair performance of his services.

Interest in
Club

(c) The Player represents that he does not, directly or indirectly, own stock or have any financial interest in the ownership or earnings of any Major League Club, except as hereinafter expressly set forth, and covenants that he will not hereafter, while connected with any Major League Club, acquire or hold any such stock or interest except in accordance with Major League Rule 20(c).

Service

5. (a) The Player agrees that, while under contract, and prior to expiration of the Club's right to renew this contract, he will not play baseball otherwise than for the Club, except that the Player may participate in post-season games under the conditions prescribed in the Major League Rules. Major League Rule 18(b) is set forth on page 4 hereof.

Other
Sports

(b) The Player and the Club recognize and agree that the Player's participation in other sports may impair or destroy his ability and skill as a baseball player. Accordingly the Player agrees that he will not engage in professional boxing or wrestling; and that, except with the written consent of the Club, he will not engage in any game or exhibition of football, basketball, hockey or other athletic sport.

No Salary

Reduction

Reporting

Obligations of
Assignor and
Assignee ClubsMoving
Expense

"Club"

Termination

By
PlayerBy
Club

Procedure

(b) The amount stated in paragraph 2 hereof which is payable to the Player for the period stated in paragraph 1 hereof shall not be diminished by any such assignment, except for failure to report as provided in the next sub-paragraph (c).

(c) The Player shall report to the Club promptly and in accordance with the Regulations on page 4 hereof and written notice from the Club of the assignment of this contract. If the Player fails so to report, he shall not be entitled to any payment for the period from the date he receives written notice of assignment until he reports to the assignee Club.

(d) Upon and after such assignment, all rights and obligations of the assignor Club hereunder shall become the rights and obligations of the assignee Club; provided, however, that

- (1) The assignee Club shall be liable to the Player for payments accruing only from the date of assignment and shall not be liable (but the assignor Club shall remain liable) for payments accrued prior to that date.
- (2) If at any time the assignee is a Major League Club, it shall be liable to pay the Player at the full rate stipulated in paragraph 2 hereof for the remainder of the period stated in paragraph 1 hereof and all prior assignors and assignees shall be relieved of liability for any payment for such period.
- (3) Unless the assignor and assignee Clubs agree otherwise, if the assignee Club is a National Association Club, the assignee Club shall be liable only to pay the Player at the rate usually paid by said assignee Club to other players of similar skill and ability in its classification and the assignor Club shall be liable to pay the difference for the remainder of the period stated in paragraph 1 hereof between an amount computed at the rate stipulated in paragraph 2 hereof and the amount so payable by the assignee Club.

(e) If this contract is assigned by a Major League Club to another Major League Club during the playing season, the assignor Club shall pay the Player, for all moving and other expenses resulting from such assignment, the sum of \$300 if the contract is assigned between Clubs in the same zone; the sum of \$600 if the contract is assigned between a Club in the Eastern Zone and a Club in the Central Zone; the sum of \$900 if the contract is assigned between a Club in the Central Zone and a Club in the Western Zone; and the sum of \$1,200 if the contract is assigned between a Club in the Eastern Zone and a Club in the Western Zone. The Eastern Zone shall include the Philadelphia, New York and Pittsburgh Clubs in the National League and the Baltimore, Boston, New York and Washington Clubs in the American League; the Central Zone shall include the Chicago, Cincinnati, Atlanta, St. Louis and Houston Clubs in the National League and the Chicago, Cleveland, Detroit and Minnesota Clubs in the American League; the Western Zone shall include the Los Angeles and San Francisco Clubs in the National League and the California and Oakland Clubs in the American League.

If, during the Major League playing season, a Player is required to report to a Major League Club from a National Association Club, or to a National Association Club from a Major League Club, such Major League Club shall pay the reasonable and actual moving expenses of the Player and his immediate family resulting therefrom and shall reimburse the Player for up to one month's rental payments for living quarters in the city from which the Player is transferred for which he is legally obligated after the date of the transfer and for which he is not otherwise reimbursed; except the foregoing shall not apply if the Player is required to report on or after September 1.

(f) All references in other paragraphs of this contract to "the Club" shall be deemed to mean and include any assignee of this contract.

7. (a) The Player may terminate this contract, upon written notice to the Club, if the Club shall default in the payments to the Player provided for in paragraph 2 hereof or shall fail to perform any other obligation agreed to be performed by the Club hereunder and if the Club shall fail to remedy such default within ten (10) days after the receipt by the Club of written notice of such default. The Player may also terminate this contract as provided in sub-paragraph (f) (4) of this paragraph 7.

(b) The Club may terminate this contract upon written notice to the Player (but only after requesting and obtaining waivers of this contract from all other Major League Clubs) if the Player shall at any time:

- (1) fail, refuse or neglect to conform his personal conduct to the standards of good citizenship and good sportsmanship or to keep himself in first-class physical condition or to obey the Club's training rules; or
- (2) fail, in the opinion of the Club's management, to exhibit sufficient skill or competitive ability to qualify or continue as a member of the Club's team; or
- (3) fail, refuse or neglect to render his services hereunder or in any other manner materially breach this contract.

(c) If this contract is terminated by the Club by reason of the Player's failure to render his services hereunder due to disability resulting directly from injury sustained in the course and within the scope of his employment hereunder and written notice of such injury is given by the Player as provided in the Regulations on page 4 hereof, the Player shall be entitled to receive his full salary for the season in which the injury was sustained, less all workmen's compensation payment paid or payable by reason of said injury.

(d) If this contract is terminated by the Club during the training season, payment by the Club of the Player's board, lodging, and expense allowance during the training season to the date of termination and of the reasonable traveling expenses of the Player, including first-class jet air fare and meals en route to his home city, and the expert training and coaching provided by the Club to the Player during the training season shall be full payment to the Player.

(e) If this contract is terminated by the Club during the playing season, then, except in the case provided for in sub-paragraph (c) of this paragraph 7, the Player shall be entitled to receive as full payment hereunder such portion of the amount stipulated in paragraph 2 hereof as the number of days of his actual employment in the Club's playing season bears to the total number of days in said season, provided, however, that if this contract is terminated under sub-paragraph (b) (2) of this paragraph 7 for failure to exhibit sufficient skill or competitive ability, the Player shall be entitled to an additional amount equal to thirty (30) days payment at the rate stipulated in paragraph 2 hereof and the reasonable traveling expenses of the Player including first-class jet air fare and meals en route to his home city.

(f) If the Club proposes to terminate this contract in accordance with sub-paragraph (b) of this paragraph 7, the procedure shall be as follows:

- (1) The Club shall request waivers from all other Major League Clubs. Such waiver request must state that it is for the purpose of terminating this contract and it may not be withdrawn.
- (2) Upon receipt of the waiver request, any other Major League Club may claim assignment of this contract at a waiver price of \$1.00, the priority of claims to be determined in accordance with the Major League Rules.
- (3) If this contract is so claimed, the Club shall, promptly and before any assignment, notify the Player that it had requested waivers for the purpose of terminating this contract and that the contract had been claimed.
- (4) Within 5 days after receipt of notice of such claim, the Player shall be entitled, by written notice to the Club, to terminate this contract on the date of his notice of termination. If the Player fails so to notify the Club, this contract shall be assigned to the claiming Club.
- (5) If the contract is not claimed, the Club shall promptly deliver written notice of termination to the Player at the expiration of the waiver period.

(g) Upon any termination of this contract by the Player, all obligations of both parties hereunder shall cease on the date of termination, except the obligation of the Club to pay the Player's compensation to said date.

Major League Rules, the Rules or Regulations of the League of which the Club is a member, and the Professional Baseball Rules, in effect on the date of this Contract, and the Club shall comply with all provisions of the Major League Agreement, the Rules, the Rules or Regulations of the League of which the Club is a member, and the Professional Baseball Rules, in effect on the date of this Contract, or the provisions of any agreement between the Major League Clubs and the Major League Baseball Players Association, provided that the Club, together with the other Clubs of the American and National Leagues and the National Association, reserves the right to modify, supplement or repeal any provision of said Agreement, Rules and/or Regulations in a manner not inconsistent with this contract or the provisions of any then existing agreement between the Major League Clubs and the Major League Baseball Players Association. A copy of the Major League Agreement, the Major League Rules, the Rules or Regulations of the League of which the Club is a member, and the Professional Baseball Rules, as in effect on the date of this Contract has been delivered to the Player prior to execution of this Contract.

Disputes

(b) All disputes between the Player and the Club which are covered by the Grievance Procedure as set forth in the Agreement between the twenty Clubs and the Major League baseball players, as represented by the Major League Baseball Players Association, dated February 19, 1968, shall be resolved in accordance with such Grievance Procedure, which is incorporated herein by reference.

Publication

(c) The Club, the League President and the Commissioner, or any of them, may make public the findings, decision and record of any inquiry, investigation or hearing held or conducted, including in such record all evidence or information, given, received or obtained in connection therewith.

Renewal

10. (a) On or before January 15 (or if a Sunday, then the next preceding business day) of the year next following the last playing season covered by this contract, the Club may tender to the Player a contract for the term of that year by mailing the same to the Player at his address following his signature hereto, or if none be given, then at his last address of record with the Club. If prior to the March 1 next succeeding said January 15, the Player and the Club have not agreed upon the terms of such contract, then on or before 10 days after said March 1, the Club shall have the right by written notice to the Player at said address to renew this contract for the period of one year on the same terms, except that the amount payable to the Player shall be such as the Club shall fix in said notice; provided, however, that said amount, if fixed by a Major League Club, shall be an amount payable at a rate not less than 80% of the rate stipulated for the preceding year.
- (b) The Club's right to renew this contract, as provided in sub-paragraph (a) of this paragraph 10, and the promise of the Player not to play otherwise than with the Club have been taken into consideration in determining the amount payable under paragraph 2 hereof.

11. This contract is subject to federal or state legislation, regulations, executive or other official orders or other governmental action, now or hereafter in effect respecting military, naval, air or other governmental service, which may directly or indirectly affect the Player, Club or the League and subject also to the right of the Commissioner to suspend the operation of this contract during any national emergency.

Commissioner

12. The term "Commissioner" wherever used in this contract shall be deemed to mean the Commissioner designated under the Major League Agreement, or in the case of a vacancy in the office of Commissioner, the Executive Council or such other body or person or persons as shall be designated in the Major League Agreement to exercise the powers and duties of the Commissioner during such vacancy.

Supplemental Agreements

The Club and the Player covenant that this contract fully sets forth all understandings and agreements between them, and agree that no other understandings or agreements, whether heretofore or hereafter made, shall be valid, recognizable, or of any effect whatsoever, unless expressly set forth in a new or supplemental contract executed by the Player and the Club (acting by its president, or such other officer as shall have been thereunto duly authorized by the president or Board of Directors, as evidenced by a certificate filed of record with the League President and Commissioner) and complying with the Major League Rules and the Professional Baseball Rules.

Special Covenants

Approval

This contract or any supplement hereto shall not be valid or effective unless and until approved by the League President.

Signed in duplicate this 3RD day of MARCH, A.D. 1969
Curtis C. Flood ST. LOUIS NATIONAL BASEBALL CLUB, INC.
 4466 West Pine (Player)
 St. Louis, Missouri (Home address of Player)
 By Vaughn A. Rennie (Authorized Signature)
 Social Security No. 556-48-5405
 Gen. Mgr.

Approved [Signature] 1969
 President, National League of Professional Baseball Clubs

2. The Player, when requested by the Club, must submit to a complete physical examination at the expense of the Club, and if necessary to treatment by a regular physician or dentist in good standing. Upon refusal of the Player to submit to a complete medical or dental examination the Club may consider such refusal a violation of this regulation and may take such action as it deems advisable under Regulation 5 of this contract. Disability directly resulting from injury sustained in the course and within the scope of his employment under this contract shall not impair the right of the Player to receive his full salary for the period of such disability or for the season in which the injury was sustained (whichever period is shorter), together with the reasonable medical and hospital expenses incurred by reason of the injury and during the term of this contract, less all workmen's compensation payments paid or payable by reason of said injury; but only upon the express prerequisite conditions that (a) written notice of such injury, including the time, place, cause and nature of the injury, is served upon and received by the Club within twenty days of the sustaining of said injury and (b) the Club shall have the right to designate the doctors and hospitals furnishing such medical and hospital services. Any other disability may be ground for suspending or terminating this contract at the discretion of the Club.
3. The Club will furnish the Player with two complete uniforms, exclusive of shoes, which uniforms will be surrendered by the Player to the Club at the end of the season or upon termination of this contract.
4. The Club will pay all proper and necessary traveling expenses of the Player while "abroad", or traveling with the Club in other cities, including board, and first-class air and hotel accommodations, if practicable.
During the championship season, the allowance for meals and tips shall be \$15 per day for each date a Club is on the road and for each traveling day. No deductions will be made for meals served on an airplane. If, when a Club departs from the home city, departure is scheduled prior to 12:00 Noon, the Player will receive \$15 for that date; if departure is after 12:00 Noon, the Player will receive \$7.50 for that date. Returning to the home city, if arrival is later than 6:00 p.m., the Player will receive \$15; if arrival is prior to 6:00 p.m., the Player will receive \$7.50. The Club may require the Player to sign checks for meals at a hotel in lieu of the cash meal allowance.
During the training season, the Player will receive an allowance of \$40 per week, payable in advance, to cover training camp expenses. If the Player has his family in camp and is granted consent to live away from the Club's headquarters, he shall receive a meal money allowance of \$12 per day, without deduction for lunch or sandwiches served at the ball park, and a room allowance equal to what the Club actually saves on hotel expenses by reason of the Player not staying at the Club hotel. Where the Club owns its own facilities (such as Los Angeles or Houston) where there is no saving, the Club will allow \$2 per day per room, in addition to the \$12 allowance for meals.
The Club will also pay the first-class jet air fare of the Player to his home at the end of the season, provided, however, that if the Club finishes its season "abroad" and appropriate transportation is not provided back to the Club's home city, the Player shall be paid an amount equal to the first-class jet air fare back to the Club's home city plus the first-class jet air fare from the Club's home city to the Player's home, provided the Player elects to return home via the Club's home city.
5. For violation by the Player of any regulation or other provision of this contract, the Club may impose a reasonable fine and deduct the amount thereof from the Player's salary or may suspend the Player without salary for a period not exceeding thirty days, or both. Written notice of the fine or suspension or both and the reason therefore shall in every case be given to the Player.
6. In order to enable the Player to fit himself for his duties under this contract, the Club may require the Player to report for practice at such places as the Club may designate and to participate in such exhibition contests as may be arranged by the Club, for a period beginning not earlier than March 1, without any other compensation than that herein elsewhere provided. The Club will pay the necessary traveling expenses, including the first-class jet air fare and meals en route of the Player from his home city to the training place of the Club, whether he be ordered to go there directly or by way of the home city of the Club. In the event of the failure of the Player to report for practice or to participate in the exhibition games, as required and provided for, he shall be required to get into playing condition to the satisfaction of the Club's team manager, and at the Player's own expense, before his salary shall commence.
7. In case of assignment of this contract the Player shall report promptly to the assignee club within 72 hours from the date he receives written notice from the Club of such assignment, if the Player is then not more than 1600 miles by most direct available railroad route from the assignee Club, plus an additional 24 hours for each additional 800 miles.

Post-Season Exhibition Games. Major League Rule 18(b) provides:

Exhibition Games. (b) No player shall participate in any exhibition game played during the period between the close of the Major League championship season and the following training season; except that a Player, with the written consent of the Commissioner, may participate in exhibition games which are played within thirty days after the close of the Major League championship season and which are approved by the Commissioner. Player conduct, on and off the field, in connection with such post-season exhibition games shall be subject to the discipline of the Commissioner. The Commissioner shall not approve more than three Players of any one Club on the same team. No Player shall participate in any exhibition game with or against any team which, during the current season or within one year, has had any ineligible player or which is or has been during the current season or within one year, managed and controlled by an ineligible player under an assumed name or who otherwise has violated, or attempted to violate, any exhibition game contract; or with or against any team which, during said season or within one year, has played against teams containing such ineligible players, or so managed or controlled. Any player violating this rule shall be fined not less than fifty dollars (\$50) nor more than five hundred dollars (\$500), except that in no event shall such fine be less than the consideration received by such player for participating in such game.

Revised 10/1/68

MAJOR LEAGUE

EXHIBIT C

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DB-ZUFFA-00007290	DB-ZUFFA-00020303	DB-ZUFFA-00024253
DB-ZUFFA-00030406	DB-ZUFFA-00056900	DB-ZUFFA-00006712
RAINE-0016846	RAINE-0018791	SBPCL00002101
WAR-000009 (Margules Deposition Exhibit 3)	WME_ZUFFA_00001150	WME_ZUFFA_00005368
ZFL-0000007	ZFL-0000031	ZFL-0000064
ZFL-0000113	ZFL-0000169	ZFL-0000221
ZFL-0000136	ZFL-0186162	ZFL-0411039 (Lappen Deposition Exhibit 203)
ZFL-0506593	ZFL-0557588	ZFL-0940065
ZFL-0994806	ZFL-1014148	ZFL-1014149
ZFL-1021391	ZFL-1053223	ZFL-1070290
ZFL-1081154	ZFL -1233191 (Epstein Deposition Exhibit 32)	ZFL-1376378
ZFL-1381761	ZFL-1382452	ZFL-1404974
ZFL-14121551 (Silva Deposition Exhibit 43)	ZFL-1425511	ZFL-1472224
ZFL-1472337	ZFL-1472338	ZFL-1514712
ZFL-1514713	ZFL-1514748	ZFL-1514769
ZFL-1514770	ZFL-1514804	ZFL-1514836
ZFL-1514837	ZFL-1514870	ZFL-1514900
ZFL-1514901	ZFL-1514933	ZFL-1514944
ZFL-1514966	ZFL-1516424	ZFL-1516456
ZFL-1674096	ZFL-2149052 (Epstein Deposition Exhibit 42)	ZFL-2198339 (Epstein Deposition Exhibit 34)
ZFL-2277058	ZFL-2496264	ZFL-2532557 (Epstein Deposition Exhibit 35)
ZFL-2603702	ZFL-2632955	ZFL-2642993
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